

DX LISTENING DIGEST 18-26, June 26, 2018  
Incorporating REVIEW OF INTERNATIONAL BROADCASTING  
edited by Glenn Hauser, <http://www.worldofradio.com>

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<http://www.worldofradio.com/dxldmid.html>  
[also link to previous years]

NOTE: If you are a regular reader of DXLD, and a source of DX news but have not been sending it directly to us, please consider yourself obligated to do so. Thanks, Glenn

WORLD OF RADIO 1936 contents: Antarctica non, Australia, Bhutan, Bolivia, Botswana, Bougainville, Canada, Chile, China, Cuba, France, India, Korea North non, Korea South, Kurdistan non, New Zealand, Nicaragua, North America, Philippines, Seychelles non, Spain, USA and non; propagation outlook.

SHORTWAVE AIRINGS of WORLD OF RADIO 1936, June 26-July 2, 2018

|           |        |                                                     |
|-----------|--------|-----------------------------------------------------|
| Tue 2030  | WRMI   | 5950 7780 [1935 replayed?]                          |
| Tue 2130  | WRMI   | 5950 [presumably; JBA carrier; 7780 canceled!]      |
| Tue 2330  | WBCQ   | 9330v [not aired]                                   |
| Wed 1030  | WRMI   | 5950 [confirmed]                                    |
| Wed 2100  | WRMI   | 9955 [confirmed]                                    |
| Wed 2100  | WBCQ   | 7490v [JBA carrier; confirmed on webcast]           |
| Wed 2330  | WBCQ   | 9330v [not aired]                                   |
| Thu 2330  | WBCQ   | 9330v [not aired]                                   |
| Fri 2330  | WBCQ   | 9330v [maybe; aired last week]                      |
| Sat 0630  | HLR    | 6190-CUSB Hamburger Lokalradio [not last two weeks] |
| Sat 1431  | HLR    | 6190-CUSB Hamburger Lokalradio [not last two weeks] |
| Sat 1930v | WA0RCR | 1860-AM                                             |
| Sat 2130  | WBCQ   | 9330v [maybe, or 2330?]                             |
| Sat 2300  | WRMI   | 7780                                                |
| Sun 0200  | WRMI   | 7780                                                |
| Sun 0310v | WA0RCR | 1860-AM                                             |
| Sun 1030  | HLR    | 9485-CUSB Hamburger Lokalradio [not last two weeks] |
| Sun 1900  | WRMI   | 9395 [canceled]                                     |
| Sun 2330  | WBCQ   | 9330v [maybe]                                       |
| Mon 0130  | WRMI   | 5850, 7780                                          |

Mon 0300v WBCQ 5130v-AM Area 51  
Mon 0330 WRMI 9955  
Mon 0400 WRMI webcast only  
Mon 2330 WBCQ 9330v [maybe]  
Tue 0030 WRMI 7730  
Tue 2030 WRMI 5950, 7780 [or #1937?]

Latest edition of this schedule version, including AM, FM, satellite and webcasts with hotlinks to station sites and audio, is at:

<http://www.worldofradio.com/radioskd.html> or  
<http://schedule.worldofradio.org> or <http://sked.worldofradio.org>

For updates see our Anomaly Alert page:  
<http://www.worldofradio.com/anomaly.html>

#### WORLD OF RADIO PODCASTS:

Tnx to Dr Harald Gabler and the Rhein-Main Radio Club.  
<http://www.rmrc.de/index.php/rmrc-audio-plattform/podcast/glenn-hauser-wor>

ALTERNATIVE PODCASTS, tnx Stephen Cooper:  
<http://shortwave.am/wor.xml>

ANOTHER PODCAST ALTERNATIVE, tnx to Keith Weston:  
<http://feeds.feedburner.com/GlennHausersWorldOfRadio>

NOW tnx to Keith Weston, also Podcasts via iTunes:  
<https://itunes.apple.com/us/podcast/glenn-hausers-world-of-radio/id1123369861>

AND via Google Play Music:  
<http://bit.ly/worldofradio>

OUR ONDEMAND AUDIO:  
<http://www.worldofradio.com/audiomid.html>  
or <http://wor.worldofradio.org>

DAY-BY-DAY ARCHIVE OF GLENN HAUSER'S LOG REPORTS:  
Unedited, uncondensed, unchanged from original version, many of them too complex, minutely researched, multi-frequency, opinionated, inconsequential, off-topic, or lengthy for some log editors to manage; and also ahead of their availability in these weekly issues:  
<http://www.hard-core-dx.com/index.php?topic=Hauser>

IMPORTANT NOTICE!!!! WOR IO GROUP: Effective Feb 4, 2018, DXLD yg archive and members have been migrated to this group:  
<https://groups.io/g/WOR>  
[there was already an unrelated group at io named dxld!, so new name]  
From now on, the io group is primary, where all posts should go. One may apply for membership, subscribe via the above site.

DXLD yahoo group: remains in existence, and members are free to COPY same info to it, as backup, but no posts should go to it only. They may want to change delivery settings to no e-mail, and/or no digest. The change was necessary due to increasing outages, long delays in posts appearing, and search failures at the yg.

Why wait for DXLD issues? A lot more info, not all of it appearing in DXLD later, is posted at our io group without delay.

NEW! DX LISTENING DIGEST IN PDF, HTML VERSIONS

Jacques Champagne in Ville-Marie, QuÉbec, has developed programs to convert DXLD .txt into PDF and HTML versions for his own use, and now has made them available to the rest of us. Starting with last week's 18-24, they have been posted as attachments to the WOR iog. He says it takes about an hour to do this, once each issue is published. Merci, Jacques! (gh)

\*\* ALASKA. SPECIAL TEMPORARY AUTHORITY (STA) 1170, KJNP, AK, North Pole ñ Applies for STA, U1 4000/4000 from temporary inverted V dipole antenna during tower repairs (David Yocis, AM Switch, NRC DX News July 2, published June 24 via WORLD OF RADIO 1936, DXLD) Was 50/21 kW U1 (gh)

\*\* ANTARCTICA. 15476 kHz, Radio Nacional Arc-ngel San Gabriel, por Dexista Ivanildo GonÁalves, M'sica Dance, 1732 UT 25 Junho 2018  
<https://youtu.be/C9Iydr7z-s>

Coment-rios "Para todo el mundo" "Radio Nacional Arc-ngel San Gabriel" V-rias IdentificaÁies no VÍdeo, 1759 UT 25 Junho 2018  
[https://youtu.be/gLGILM\\_xJEE](https://youtu.be/gLGILM_xJEE)

RX: Yaesu FRG 8800, Antena: Beverage simples (Daniel Wylllys, 2 Mini Encontro DX de Mato Grosso, Sítio Estrela do Araguaia, Nova Xavantina MT, Brasil, Hard-Core-DX mailing list via DXLD)

\*\* ANTARCTICA [non]. A reminder that the BBC midwinter broadcast to the 38 British Antarctic Survey staff in Antarctica and South Georgia will be broadcast on Thursday 21 June from 2130 to 2200 GMT.

Frequencies this year (confirmed by BBCWS Audience Relations) will be:

5985 Woofferton 184  
7360 Ascension 207  
9890 Woofferton 182

The programme will also be available online at

<https://www.bbc.co.uk/programmes/p06blwrc>  
(more details at this link)  
(bdxc-news iog June 20 via DXLD) Viz.:

Cerys Matthews presents one of the BBC World Service's most unusual programmes. The Antarctic Midwinter Broadcast is for the 38 scientists and support staff overwintering at three UK research stations in Antarctica. It is transmitted Midwinter's Day, 21 June, their darkest day of the year.

The penguins will definitely outnumber the audience but listening to the programme is a much anticipated annual tradition for the overwinterers. Most of the staff - 25 of the 38 - are at the UK's largest Antarctic research station, Rothera. But 2000 km further north, the rest will listen in stations at Bird Island and King Edward Point.

In each of the stations, base commanders rise early to cook breakfast for their staff and presents are exchanged. There are sports and, weather permitting, even a naked streak in the snow. Penguin warning: avert your eyes.

After the feasting, staff will gather round a shortwave set to listen to the broadcast, which is packed with greetings from family and friends back home, music, a message from the British Antarctic Survey director, Jane Francis, and a sprinkling of celebrity guests wishing them well. Finally, there's a screening of the Antarctic horror movie *The Thing*.

This year Cerys is joined by British Antarctic Survey marine biologist, Terri Souster, and mechanic and ice trucker Jonny Yates - who found love in a cold climate and are now husband and wife.

There are guest appearances from British European Space Agency astronaut, Tim Peake, the popular TV presenter and Ernest Shackleton fan, Lorraine Kelly, impressionist Jon Culshaw and musician Brian Eno.

The Antarctic Midwinter Broadcast is produced by Martin Redfern and is a Boffin Media production for BBC World Service.

Photo: One of the British Antarctic Survey buildings in the Antarctic  
Credit: BAS (via DXLD)

Also link to three previous ``episodes`` audio, 2017, 2016, 2015 (gh)

9890, June 21 at 2135, JBA carrier from BBCWS Woofferton, annual special to the British Antarctic Survey overwinterers. About what I expected, and of course nothing on // 5985. Yet Mick Delmage says 9890

was reaching Alberta well. Ascension 7360 might have had a chance but really too early for that too (Glenn Hauser, OK, DX LISTENING DIGEST)

BBC Midwinterbroadcast --- This broadcast is booming in to Alberta on 9890 kHz, 2130 UT. First song "Total Eclipse of The Heart" Bonnie Tyler. 73 (Mick Delmage, Sherwood Park, WOR iog via WORLD OF RADIO 1936, DX LISTENING DIGEST)

Very good on 5985 and 7360, weaker on 9890 here at 2130 sign-on. 7360 has slight hum, typical from Ascension. 73, (Alan Pennington, Caversham, UK, AOR 7030plus, longwire, bdx-news iog via DXLD)

Thanks for the reminder. I'm listening on 9890 kHz, which is fair into ENAm. Wasn't sure I'd hear it until Woofferton finally turned on the transmitter at 2127. I'll listen again online, but it's a pleasure to hear it on SW; brings back fond memories of BBC Calling the Falklands. Amazing (and unique) the way SW can still combine the global with the personal. Very 73 de (Anne Fanelli in summery Elma NY, 2137 UT, WOR iog via DXLD)

[9890] Good signal with lightning crashes; fair with lightning crashes on 7360; 5985 unheard here in south Florida (Peter W Hansen, 2142 UT, ibid.)

In Lytchett Matravers 5985 is excellent, 7360 very good and 9890 not so good (David Morris, 2144 UT, bdx-news iog via DXLD)

[Lytchett Matravers /'l?t??t m?'trÊv?rz/ is a village and civil parish in the Purbeck district of Dorset, England. History: The name comes from the Brittonic litchet meaning "grey wood" and the Norman surname "Maltravers". Until the Norman Conquest of England in 1066 a Danish lord called Tholf held the manor of Lytchett. After the conquest William I granted the manor to Hugh Maltravers, who was still the feudal overlord when the Domesday Book of 1086 recorded Lytchett Matravers as part of Cogdean Hundred in 1086. (Wikipedia)]

7360 is best frequency here in Mass. 9890 is there but more QRM (Stephen C Wood, Harwich, Mass., Perseus SDR, 20 x 40 terminated superloop antenna, 2144 UT, WOR iog via DXLD)

Very good signal on all three frequencies here in Bulgaria (Ivo Ivanov, 2145 UT, ibid.)

Coming in fair to good on 9890 kHz here in St Petersburg, RUSSIA, using an XHData D-808 and 30 feet of wire strung on my balcony on a docked river cruise boat. 73, (Don Hosmer, 2151 UT, WOR iog via DXLD)

Fair to good reception on 7360 kHz here in NB. Crash start. They may

have missed the first couple of words like last year. What gives with that? And a bit of a hum. Recorded the whole broadcast and will archive later. 9890 kHz might have been a possibility, too, but I didn't tune around. By the way, other users of 7360 kHz before and after the BBC WS broadcast heard:

Vatican Radio from Santa Maria di Galeria in French until about 2057 UT -- poor

Vatican Radio from Santa Maria di Galeria in Portuguese from 2100 to 2129 UT -- fair

VOIRI from Sirjan in (presumed) Indonesian from 2222 UT ñ weak. All three BBS WS frequencies heard well with the U. Twente SDR receiver.

My recordings are archived here:

<https://shortwavearchive.com/archive/bbc-world-service-annual-antarctic-midwinter-broadcast-june-21-2018>

and here:

<https://archive.org/details/>

BBCWSBASAntarcticMidwinterBroadcast7.360MHz21June20182130UTC

Comparing my recordings to the online version

<https://www.bbc.co.uk/programmes/p06blwrc>

it was not just the first couple of words that were not transmitted, but a sentence and a half!!! Transmitter came on about 6 seconds late. And the broadcast from Woofferton started half a sentence late, despite the transmitters being on for a couple of minutes with test tones. A bit disappointing and not up to BBC standards (-- Richard Langley, June 22, *ibid.*)

9890, UNITED KINGDOM, BBC Woofferton at 2130 UT sign on June 21, Midwinter Antarctic Special. First song "Total Eclipse of The Heart", Bonnie Tyler followed by greetings of "Love You" and "Miss You" messages from people in the UK, Canada and Germany. Other songs were Seabird by Alessi Brothers and ending the broadcast at 2200 was "Santa Claus Is Coming To Town". Some of the special guest greeters were Brian Eno and astronaut Tim Peake. Very Good reception. // 7360 JBA 73 (Mick Delmage, Sherwood Park, Perseus SDR, Wellbrook ALA100 loop, WOR iog via WORLD OF RADIO 1936, DX LISTENING DIGEST)

BBC midwinter broadcast to 38 British Antarctic Survey staff, June 21 2130-2200 5985 WOF 250 kW / 184 deg to Antarctica English, very good 2130-2200 7360 ASC 250 kW / 207 deg to Antarctica English, very good 2130-2200 9890 WOF 250 kW / 182 deg to Antarctica English, very good <http://swldxbulgaria.blogspot.com/2018/06/bbc-midwinter-broadcast-to-38-british.html>

(Ivo IvanŮv, SWLDBulgaria News, June 20-21, DX LISTENING DIGEST)

ASCENSION. 7360 BBC Antarctic Midwinter. June 21. 2140-2159 UT.

Comments and Music in English. Audio file [very poor quality ñ gh]:  
<https://archive.org/details/7360KHz.BBCToAntartica.June21At2149UTC>  
(Claudio Galaz, Antenna: Dipole, Receiver: TECSUN PL-660; QTH: Ovalle, Chile, WOR iog via DXLD)

Darn, I forgot about setting up the receiver. Problem in past years is that they were always on way too low frequencies to propagate so far out west. Sounds like 9890 might just have made it into Victoria; Next year! 73 (Walt Salmaniw, BC, 2306 UT June 21, ibid.)

You can find some information my first ever log of BBC Antarctic Midwinter Broadcast 2018 on June 21:  
<http://gkcalling.blogspot.com/2018/06/my-first-ever-attempt-on-bbc-antarctic.html>  
& plus other radio related logs etc on my blog.  
<http://gkcalling.blogspot.com/search/label/Dxing>  
More monitoring observations, etc., soon. 73 & 55 (Gautam Kumar Sharma(GK), Abhayapuri(Assam)(India), May 23, DX LISTENING DIGEST)

\*\* ARGENTINA [non]. RAE changes via WRMI:  
2100-2200 7780 YFR 100 kW / 044 deg WeEu German Mon-Fri tx#1 RAE  
2200-2300 7780 YFR 100 kW / 044 deg WeEu Italian Mon-Fri tx#1 RAE

1900-2000 9395 YFR 100 kW / 355 deg ENAm English Daily tx#6 Bro Stair  
1900-2000 9395 YFR 100 kW / 355 deg ENAm German Mon-Fri RAE cancelled  
2000-2100 9395 YFR 100 kW / 355 deg ENAm Italian Mon-Fri RAE cancelled  
?????????? ?? Observer ? 2:26 PM - 73! Ivo Ivanov (via WORLD OF RADIO 1936, DX LISTENING DIGEST) See also USA: WRMI below, RAE changes

\*\* ARMENIA. All transmissions of TWR India in English are cancelled from June  
1300-1315 9330 ERV 300 kW / 100 deg SoAs English Mon-Sat - is deleted  
1430-1445 9330 ERV 300 kW / 100 deg SoAs English Sat, now other langs  
1435-1450 9330 ERV 300 kW / 100 deg SoAs English Mon-Fri, other langs  
My last video of Trans World Radio India in English via Yerevan May 29  
<http://swldxbulgaria.blogspot.com/2018/06/all-transmissions-of-twr-india-in.html>  
(Ivo Ivanûv, SWLDXBulgaria News, June 20-21, DX LISTENING DIGEST)

\*\* ARMENIA. Reception of FEBA Radio via BaBcoCk Yerevan on June 21  
1600-1700 on 12125 ERV 300 kW / 192 deg to EaAf Amharic, very good  
1730-1800 on 7510 ERV 300 kW / 192 deg to EaAf Silte, good signal  
[http://swldxbulgaria.blogspot.com/2018/06/reception-of-feba-radio-via-babcock\\_21.html](http://swldxbulgaria.blogspot.com/2018/06/reception-of-feba-radio-via-babcock_21.html)  
(Ivo Ivanûv, SWLDXBulgaria News, June 20-21, DX LISTENING DIGEST)

\*\* AUSTRALIA. 5055, 4KZ, intermittent listening 1115-1315, on June 21. Another day with enjoyable reception; pop songs (Creedence Clearwater Revival - "Have You Ever Seen The Rain," John Denver - "Sweet Surrender," The Animals - "We Gotta Get Out Of This Place," Billy Joel

- "Only the Good Die Young," Blood Sweat & Tears - "You've Made Me So Very Happy," Dionne Warwick & Bee Gees - "Heartbreaker," etc.); commercial announcements & promo for joining Australian Radio DX Club. Heard at such a good level as to make IDing the songs easy! (Ron Howard, Ocean Beach [San Francisco], CA, Etûn E1, antenna: 100' long wire, WOR iog via DXLD)

\*\* AUSTRALIA. 9610, Thu June 21 at 1306, S8-S5 of South Asian song, talk. I was tuned here earlier circa 1130 confirming Vatican Spanish still via Greenville, violating Separation of Church & State. Now Aoki/NDXC shows it's RBA at 1300-1315 Tue/Thu/Sat in Tamil. At 1317 it's weaker and the talk audio sounds strange like off-tuned SSB, but I cannot clarify it by tuning up or down 5 kHz (as it could have been an intruder), but still a carrier remains on 9610.0. At 1315 the language allegedly changes to Telugu on Mon/Tue/Thu/Sat (Glenn Hauser, OK, DX LISTENING DIGEST) Remember when 9610 was VLW/VLX, Perth? (gh)

\*\* AUSTRALIA [and non]. CHINA TAKES UP AUSTRALIA'S FORMER RADIO SPACE IN PACIFIC --- 10:48 am today

<http://www.radionz.co.nz/international/pacific-news/360095/china-takes-up-australia-s-former-radio-space-in-pacific>

China has taken over many of the Australian Broadcasting Corporation's former shortwave radio frequencies into the Pacific region.

In response to budget cuts, the ABC last year ceased shortwave broadcasting in the Asia-Pacific region ahead of a transition to FM transmission.

Many remote communities in Pacific island countries rely on shortwave radio Photo: RNZI

Australia-based technology observer Peter Marks told Radio ABC's Tech Head programme that since that withdrawal, this space is swiftly being filled up.

"Since Radio Australia has dropped off shortwave, many of the exact frequencies we used to use have been now taken over by Chinese stations targetting the Asia Pacific region," he explained.

"Now, shortwave bounces off the upper atmosphere, so a single shortwave transmitter can be heard over thousands of kilometres. It works particularly well over the many islands throughout the Pacific region."

The revelation that the frequencies have been snapped up comes at a time of heightened speculation in Australian media and commentariat

about the motives behind China's growing influence in the Pacific.

"There's obviously a bit of interest there... the fact that China has been ramping up while we've been pulling back," Mr Marks said.

"I should say that Radio New Zealand International (now known as RNZ Pacific) does a terrific job in the Pacific. They're up there every day and they're managing to run it. It just seems odd that Australia wouldn't be doing it."

Chief Ben Lovo and his family of Bongkil Village on Erromango, Vanuatu. He says shortwave broadcasts from RNZI during Cyclone Pam allowed him to warn four villages and save hundreds of lives Photo: RNZI/Koroi Hawkins

The withdrawal of ABC's shortwave presence in the Pacific is part of an ongoing Australian government review of the country's media services in the wider region (via Barry Hartley, NZ, June 21, DXLD)

Examples? I am not so sure there was a deliberate effort to take over RA frequencies. Once abandoned, anyone could register on them (gh, DXLD)

CHINA TAKES OVER RADIO AUSTRALIA FREQUENCIES AFTER ABC DROPS SHORTWAVE

Pacific Beat By Bill Bainbridge, Catherine Graue and Christina Zhou  
Updated about 4 hours ago

A Chinese station has taken over some of the shortwave radio frequencies once used by the ABC in the Pacific region, following the broadcaster's decision to end shortwave services.

Key points:

The ABC chose to end shortwave radio broadcasts in early 2017

China's state-owned broadcaster now uses Radio Australia's old frequencies

Australia's overseas broadcasting in the Asia Pacific is being reviewed

Radio Australia switched off its shortwave transmissions to remote parts of northern Australia and across the Pacific in January 2017.

The ABC insisted at the time the shortwave technology was out of date and it would save \$1.9 million by cutting the service, which it said would be reinvested in expanding content and services.

The decision was met by an outcry from affected listeners, and there has been continued agitation to bring the service back.

The Australian newspaper has reported Radio Australia's former shortwave frequencies are now being used by China Radio International, the country's state-owned overseas broadcaster.

Shortwave evades dictators and warns of disasters

The ABC's decision to end Radio Australia's shortwave service has raised questions about who will fill the void.

Claire Moore, Labor's spokeswoman for international development and the Pacific, said she was not surprised Chinese services snapped up Australia's old frequencies. "People in the Pacific were telling us that shortwave was a tried and true mechanism in their parts of the world, they relied on it and they knew about it," Ms Moore said. "It was always an issue to see if shortwave was available, if it was being used and we weren't using it, that other players would come into the space."

Long article continues here:

<http://www.abc.net.au/news/2018-06-22/china-takes-over-radio-australias-old-shortwave-frequencies/9898754>

(via Mike Terry, June 22, WOR iog via DXLD; also via Artie Bigley, DXLD; also via Fred Vos, June 23, WOR iog via DXLD)

Which frequencies have they taken over? (Mauno Ritola, *ibid.*)

Please give us specific examples. I am not inclined to check every former RA frequency whether China be upon them at the ex-hours, but the authors should have. Once permanently abandoned by ABC, they are up for grabs (Glenn Hauser, DX LISTENING DIGEST)

When looking up HFCC for the last set of three day and night frequencies, as used until 17 months ago (going even further down in history would be, in my opinion, really ridiculous), the "some" or, as <https://www.radionz.co.nz/international/pacific-news/360095/china-takes-up-australia-s-former-radio-space-in-pacific> even puts it, "many" frequencies turn out to be a single one, 17840 kHz, for which now a transmission of CRI in Chinese to India is shown in the 0700-1100 slot.

This kind of hysteria is just counterproductive. But fewer and fewer people seem to grasp this (Kai Ludwig, WOR iog via WORLD OF RADIO 1936, DX LISTENING DIGEST)

Those frequencies aren't property of Radio Australia so I don't

understand the hysteria (Ethan, KC9YDN, ibid.)

So what? It was bound to happen. China Radio have very big signals here in Australia and so Radio Australia is no longer on shortwave. So good on China Radio for a very smart move. They have good announcers/presenters, which at times is difficult to even think it's China Radio until they announce who they are. It's just a very strategic and smart move. The frequencies are registered for use, so, it's no biggie, in my opinion (Tim Gaynor, Australia, ibid.)

Aha: This story is not about shortwave frequencies but in fact about FM relays in the Pacific. Indeed the ABC had terminated all such contracts immediately when Radio Australia ceased to exist as an own organization (which was already some time before the plug at Shepparton had been pulled).

<https://twitter.com/kaedotcom/status/1010852656875745281>  
with a link that lets you bounce against a paywall. Can perhaps be circumvented via a Google search if they have the same stupid strategy as some German publishing houses (Kai Ludwig, ibid..)

The Australian story never mentions FM but short-wave again and again. Possibly FM is also involved if the writer does not understand the difference (Glenn Hauser, ibid.)

Hysteria? Well, I don't know if I'd go that far, but this IS about SW, and the risks of abandoning it in an era when China at least, is still interested in 'soft power' exercises. Many of the 'secondary' reports don't make that clear however. I think this is more likely a 'confusion fest' when non-radio folk try to explain radio.

FM stations that formerly carried ABC now carry CRI MIGHT be true (I have no clue if they really have stopped FM relays -- I thought the point was they would CONTINUE FM relays after the end of SW ... ) but the article specifically ONLY mention SW frequencies 'behind that paywall': "9580khz and 7240khz" (sic) so perhaps that is NOT what was meant. For those not enterprising enough to peek behind the paywall: I quote ---- (Ken Zichi, WOR iog via WORLD OF RADIO 1936, DXLD)

FOREIGN AFFAIRS --- Beijing grabs ABC Pacific airwaves --- Primrose Riordan Political reporter Canberra The Australian @primroseriordan

Chinese government radio had taken over stations Radio Australia once used to broadcast into the Pacific Islands, it was revealed, as Papua New Guinea's Prime Minister was courted in Beijing this week.

The events point to the increasing soft-power competition in the region of which Australia has only recently moved to address.

Malcolm Turnbull announced on Thursday that Vanuatu Prime Minister Charlot Salwai Tabimasma would visit Australia over the weekend, the second high-profile visit to the country in a month.

ABC ended its international short-wave services including to Papua New Guinea and the Pacific last year, arguing that they served only a limited audience and that there were new ways to offer content.

Mr Salwai formally opposed the decision to end short-wave services in a submission to a parliamentary inquiry.

Vanuatu values its close association with Australia at so many levels yet this strange decision by the ABC to end short-wave services to our region seems at odds with the recently strongly stated goals of the Australian government, he wrote.

After the inquiry where some committee members were critical of the decision, the ABC is now reviewing it as part of a wider review of regional broadcasting.

Technology expert Peter Marks estimates as many as 10 frequencies that Radio Australia used to use now broadcast China Radio International programs.

The estimate, based on publicly available data, includes stations which reach New Caledonia, Vanuatu, Fiji, Samoa, Solomon Islands and New Caledonia. Since Radio Australia has dropped off short-wave, many of the exact frequencies we used to use have been now taken over by Chinese stations targeting the Asia Pacific region, Mr Marks told the ABC.

Nigel Holmes, a former transmission manager for Radio Australia told The Australian that two former Radio Australia stations - 9580khz and 7240khz now broadcast China Radio Australia programs.

Mr Holmes said the decision by the ABC to end short-wave services was bizarre.

When the ABC chose to abandon short-wave broadcasting into the region, those channels are up for grabs, he said.

Jemima Garrett, a journalist in the Pacific Islands said China was expanding the reach of its media in the area.

The scale of China's media efforts are very large, she said.

Nationals Deputy Leader Bridget McKenzie said last year that the move

to end short-wave was ideeply concerningî.

Australian Strategic Policy Instituteís Graeme Dobell said CRI was making inroads in the Pacific.

îMany other players see a short-wave future. As the ABC exits the South Pacific, China Radio International is making large investments, snapping up any short-wave slots becoming available and building new transmitters,î Mr Dobell wrote.

PNG Prime Minister Peter OiNeill was given full ceremonial honours when he arrived in Beijing this week to further a proposed trade deal.

29 comments [excerpts]

Arvid 2 days ago

They can make crystal sets and listen if anyone still knows how. Hope the are funding the power and not us. Give them a new horse shoe factory as well.

John 2 days ago

So, the latest grab from our friendly local Emperor; how many more to come? LOTS! as long as he gets away unopposed with his one belt one road one great big takeover. Soft power, hahaha; hard power to come, e.g. a friendly visit from one of his Well-escorted aircraft carriers to Port Darwin. Why not, since we so unutterably stupid to gift him a 99 years peppercorn lease?

C 2 days ago

This is no loss to Australia as the ABC were so anti-Australian. Privatisise it or bin it.

R. Ambrose Raven 2 days ago

Observe those below doing their best to appear as eager traitors. Screaming abuse at the ABC is far far more important than facing up to the issues.

After all why should they? They can see the opportunities for a comfortable existence in a black uniform with clubs, tasers and guns once the Chinese require a local political police force. It will be a licence to cheat, rob, intimidate, and extort.

How amusing to see those gushing away about the Anzac Spirit on the 25th of April (having no doubt had a glass of schnapps in honour of their real hero on the 20th) then eagerly selling us out all the rest of the year. They see Australian citizenship as meaningless and as worthless as does Border Generalissimo-MP Dutton, except to allow them to have a monopoly on control of one part of the world's people.

Very few locals will have satellite comms given the cost. Nor can we use those frequencies now that the Chinese have taken them.

So the Vanuatu PM is to visit. Couldn't he simply email the knitting pattern? This is a visit to make Trumbull's inaction look less inactive. Not that Trumbull cares.

Martyn 2 days ago

@R. Ambrose Raven what a very confused post. What are you trying to say?

StewartD 2 days ago

@Martyn, @R. Ambrose Raven - been using the random word generator again.

Michael 2 days ago

@R. Ambrose Raven Incoherent dross yet again. Whatever meds you are on - they are either not working, or working too well. Talk to your doctor.

Shane 2 days ago

Running a shortwave radio service is expensive. It requires significant investment in equipment, antenna facilities, maintenance and power. In its heyday - when it was the only electronic medium available - the cost was worth the outcome. Advances in other technologies over the last 30 years, their near global availability, the progressive lowering of costs, have weakened the business case for continuing to run expensive and, frankly, archaic services. For example, thirty years ago almost all shipping and aircraft operating in/on the high seas used High Frequency (HF, i.e. short wave) radio, but very few do so now except as a contingency measure. Satellite comms are the order of the day now.

I wonder how many contributors to these forums would be cheering if the ABC had instead announced it was continuing to use taxpayer funds to provide archaic short-wave services to foreign listeners indefinitely. None, I expect. I also expect few have actually experienced the challenges of being dependent on the noisy, shifting and unreliable propagation characteristics of short wave radio for news from the outside world.

And finally, China's technical and procedural performance in aeronautical and maritime HF services is, and always was, lousy - as is their performance in most of such technical endeavours. They'll certainly bring the same level of expertise to their Pacific short wave radio services.

Robert 2 days ago

The ABC here only serves a limited audience. Could they close down here as well?

John 2 days ago

As sure as eggs, the ABC will claim "governments cutbacks" were the reason for abandoning the Radio Australia stations. They would prefer instead to produce programs for example such as the drive1 turned out by Benjamin Law and Beverley Wang on Radio National, the oh so tired Philip Adams' LNL on the same service and Jonathan Green's Saturday morning trivia fest.

On TV we have the execrable Tom Ballard, possibly the most humourless individual on the planet, and the entire "Comedy Channel" which appears to be a joke but in fact deadly serious in passing the content off as humour.

Meanwhile a service greatly valued by persons around the South Pacific, and a constant in their lives for decades, is deemed a second order priority. Will a penny drop somewhere in this organisation that they are out of step with many long standing ABC listeners. Meanwhile they appear to be content to be in step with an inner urban clique whose only contact with the Pacific Islands is a cursory glance toward the door security at their favourite City night spot.

Lutz 2 days ago

The modern way of getting Australia's voice heard in Asia is obviously by satellite. But are we transmitting programs that promote our image in the region? Or is it that someone up high 'could not see the value in that' and cut the funding for such a service. If the ABC or SBS don't do it who else would?

Rodney 2 days ago

lets just remember the Chinese communist party already own a 100 year lease on Darwin harbour.

The cat [COMMUNIST CHINA] is out of the bag and running wild devouring cattle stations and much other good agricultural land and so much housing already; we may have taken over a backward peoples and their land, but the CHINESE are now taking over so much developed property, etc., soon they will own the airwaves. Meantime the national - GOVERNMENTS- whichever party have only just woken up to what's happening.

Richard 2 days ago

I'm sure the listeners won't notice much difference in the political commentary

Geoffrey 3 days ago

" ... arguing that they served only a limited audience and that there were new ways to offer #content."

So, all those Pacific Islands now have wireless internet and everyone has a device? Or are we really talking about an old way to offer content - like carrier pigeons?

Eric 3 days ago

So.Ö. remind me again..... what is their ABC good for...Ö..? Proved themselves to be useless in the South Pacific haven't they. EAV

Betty 3 days ago

OK, their ABC did this to save a buck, so they could send Leigh Sales and entourage to New York, for her dull, scripted, redundant, leftie interview with Comey. No problem.

Robert 3 days ago

Now there's a surprise who have thought! Wharfs and airports next perhaps? Military visitations and exchanges to be considered? New trade deals with PNG to be come the next country to be deforested to feed the Chinese timber needs plus the odd mine or two. Nothing here to see.

Shane 2 days ago

@Robert Chinese naval base in PNG within 5 years. Piece of cake for China to line pockets in Moresby.

David 3 days ago

Another stuff-up by Aunty! Or was Malcom's fingerprints on this? What you give up one day cannot easily be got back tomorrow!

Shane 2 days ago

@David simply the result of the continuing effort by the current government to disable the ABC through funding cuts.

David 2 days ago

@Shane @David The ABC's overseas reach is specially funded, I believe, by Foreign Affairs.

Shane 2 days ago

@David @Shane Interesting. If so I wonder whether DFAT got to specify, or got any say at all, in what media/technology is used. One would expect they'd do so, although they may lack sufficient knowledge/expertise to make the right call.

Richard 3 days ago

Another own goal, eh? Canberra's hubris never ceases to amaze me.

Treat our neighbours like peasants, then complain when they go looking for better friends. Don't come crying about China encroaching on "our sphere of influence" (as Bishop recently put it). You trashed our influence yourselves, you fools.

Allan 3 days ago

So what is Foreign Minister Julie Bishop doing to do?

Eric 2 days ago

@Allan How about concentrating on improving the lot of tax paying Australians? That'd be a welcome change.

Peter 3 days ago

Mr Salween clearly doesn't understand that the ABC's first priority is to propagate a left wing agenda, not promote Australia and its interests in the Pacific region. (via DXLD)

``FM stations that formerly carried ABC now carry CRI MIGHT be true (I have no clue if they really have stopped FM relays``

See

<http://web.archive.org/web/20150707211639/http://www.radioaustralia.net.au/international/radio/program/pacific-beat/palau-switch-off-from-radio-australias-fm-service/1396233>

And when looking at the press report

Technology expert Peter Marks estimates as many as 10 + frequencies that Radio Australia used to use now broadcast China Radio International programs.

The estimate, based on publicly available data, includes stations which reach New Caledonia, Vanuatu, Fiji, Samoa, Solomon Islands and New Caledonia. Since Radio Australia has dropped off short-wave, many of the exact frequencies we used to use have been now taken over by Chinese stations targeting the Asia Pacific region, Mr Marks told the ABC.

It is pretty obvious that some lobbyists make a complete mess of shortwave and FM: "Stations which reach New Caledonia, Vanuatu, Fiji, Samoa, Solomon Islands and New Caledonia" very much sounds like a description of shortwave outlets. Which would also be a much more interesting development than transmitters in China now using frequencies abandoned by Radio Australia five years ago (and the quote from Nigel Holmes in this very report already points this out).

So did CRI indeed manage to obtain a number of rebroadcasting arrangements in the Pacific? Perhaps even with former ABC partners,

abandoned by them in 2014? If so it would be a hot story. If not: Much fuss about nothing (Kai Ludwig, WOR iog via DXLD)

CHINA SHORTWAVE FORAY INTO PACIFIC HELPED BY AUS WITHDRAWAL ---  
From Dateline Pacific, 5:03 am on 25 June 2018

<http://www.radionz.co.nz/international/programmes/datelinepacific/audio/2018650615/china-shortwave-foray-into-pacific-helped-by-aus-withdrawal>

China is taking up a lot of the Australian Broadcasting Corporation's former shortwave radio frequencies into the Pacific region.

In response to budget cuts, the ABC last year ceased shortwave broadcasting in the Asia-Pacific region ahead of a transition to FM transmission.

Since that withdrawal, frequencies on which Pacific Islanders listened to ABC radio for many years are being filled up by China Radio International.

Radio New Zealand Pacific is of course still broadcasting to the Pacific region on shortwave.

Its Technical Manager, Adrian Sainsbury, spoke to Johnny Blades about the Chinese shortwave foray into the Pacific.

Listen duration 6':32? Add to playlist

Download as Ogg

Download as MP3

Play Ogg in browser

Play MP3 in browser

Many remote communities in Pacific island countries rely on shortwave radio. Photo: RNZI

## Transcript

ADRIAN SAINSBURY: Now on the international broadcast bands, which is what we use for broadcasting from New Zealand for example into the Pacific islands, these frequencies can be used by anyone, but there is a co-ordination system, and people register them with the ITU which is the International Telecommunications Union in Geneva to prevent stations from colliding. So you don't want two international broadcasters on the same channel. So people over time, like the BBC and so on, establish themselves on certain frequencies, and these go on for year after year after year. Now what's happened in this instance is with RA (Radio Australia) closing, their frequencies become free. And it coincides with China Radio International wanting

to expand its services into the South Pacific. This has been a plan for some time. And to me it seems to be a strategic move on their part. By starting to use RA's frequencies, they inherit an audience in the sense that people over time have got used to RA being on those frequencies and if suddenly another English language station starts up on it, they'll listen, say they could be RA. It's only after listening for a while you realise, hello, this is not Radio Australia, this is a station that's talking about China quite a bit, and that's what's happening.

JOHNNY BLADES: How crowded is the spectrum, or how many of these former frequencies of the ABC's are being taken up, do you know?

AS: I can't answer that. All I know is that in the past RA were using quite a few frequencies covering not only South Pacific, but also up into Papua New Guinea and that area, and into Asia. What I do find interesting is that China Radio in its expansion is doing it not only on shortwave, but they're doing it on domestic. You'll find it on Freeview television. You'll find China Radio International in most capital cities around the world.

JB: They have an English service.

AS: Oh yes. They've got American accents, they've got British accents. So it's very easy to confuse them with a western station.

JB: Do we know what kind of programmes and content will be on these frequencies going out to the Pacific Islands?

AS: Usually their programme content is promoting Chinese, talking about all the aid they give overseas, and all the good things that they do. They don't broadcast anything that's political of their own country. It's very, very carefully controlled.

JB: There's not journalism or news about the islands for instance like on RA or RNZ?

AS: Until it really starts I don't think that anybody can really judge that. But I imagine they're bound to target different parts of the Pacific, and it would be sensible for them to put some local news in about it. But whether they do that or not, I can't answer that. I haven't listened to them much. But generally speaking, having listened to what I've heard up until now, it's generally promoting Chinese, saying yeah we give aid, we do all these things around the Pacific. There'll be news items about what hydro schemes they may have built or what they may be doing on a local scale within the area that they're broadcasting to. As I say it's a very big company, China Radio. They have very powerful transmitters. The shortwave ones are all 500

kilowatts, which is a lot of power. It's five times what Radio New Zealand uses.

JB: So that means it can project further?

AS: Yes, and they're stronger and clearer and easier to hear. So yes, it's a big thing. And as I say, with all the expansion within the South Pacific, if you go to any of the Pacific Islands you'll see the Chinese are investing heavily in buildings and other things. It's only natural that they follow that up with radio coverage as well.

JB: You've been around the region looking at this area (broadcasting) for a long time, how important is shortwave radio or how much of an influence can it have among those communities?

AS: Shortwave is still quite important in the Pacific Islands, and that's because it's one way a lot of people can get international coverage. But the local FM stations have limited resources usually. And that's why Radio New Zealand is quite important in the area, because a lot of radio stations in the area go to us for news - because they have small staff, and a lack of people to do all that work. So it's hard to know how many people would listen to them, to be honest, but there are more shortwave radios probably per head of population in the Pacific Islands than you'll find anywhere else because in more first world countries like Australia or New Zealand, everybody has their local FM stations which provide all the coverage they want, they've got all the television channels they want. When you go to a remote Pacific island, that's not the case. You might be lucky to have one or two stations, and a limited television service.

JB: It's not too late for Australia if they wanted to get back into the shortwave game to do so, but it's too late on some of the frequencies which they were formerly able to make theirs...

AS: Yes, if RA chose to come back on the air again they would have to carefully listen to see which channels are still free, and they may find some of the ones they used to use have been used up, they're already being occupied. But the spectrum is quite wide. There's plenty of room for everybody. You could say that the Chinese are using an awful lot of airspace, a lot of the spectrum is being used by the Chinese, they spend a lot of time on it - not only on shortwave, but they do it on AM as well, they get relay points in different countries. They're making their services available all over the world. I think what is worth mentioning is China Radio are opening up all through the west, the western hemisphere if you want to call it that. Whereas if you live in China you won't hear much in the way of foreign transmissions. In fact shortwave transmitters beamed to China in Mandarin by the BBC or Voice of America are heavily jammed. But the

Chinese are basically only interested in positive news about their country, and not free journalism (via Artie Bigley, WORLD OF RADIO 1936, DXLD)

\*\* AUSTRIA [and non]. Radio DARC special broadcasts, also for NAm  
With 300kW from Wittenberg via Vienna to North America, Sat July 14  
Published: 21 June 2018

Wittenberg. (xv) The WRTC is to be covered in two special broadcasts by Radio DARC. The radio show of the German Amateur Radio Club e.V. will broadcast a program in English on Saturday, July 14 from 11.00 to 12.00 UTC using the 49m short-wave band on 6070 kHz. Especially for the many people interested in WRTC from North America, the program will also be broadcast on 13860 kHz at the same time. The 6-hour time difference makes it possible for the show to serve as a "breakfast radio" WRTC News on the East Coast of North America. There is expected to be a high level of interest from North America as not only did a total of 14 teams from North America qualify but also the defending champions Daniel Craig (N6MJ) and Chris Hurlbut (KL9A) are from the USA. Source: <http://www.wrtc2018.de/en/>

WRTC: World Radiosport Team Championship for amateur radio, this year organized in Germany (via Harald DL1AJ Kuhl, June 22, DX LISTENING DIGEST)

\*\* BANGLADESH. Reception of Bangladesh Betar in English on June 20:  
1745-1900 on 13580 DKA 250 kW / 320 deg to WeEu English, very good  
1915-2000 on 13580 DKA 250 kW / 320 deg to WeEu Bangla, very good:  
[http://swldxbulgaria.blogspot.com/2018/06/reception-of-bangladesh-betar-in\\_21.html](http://swldxbulgaria.blogspot.com/2018/06/reception-of-bangladesh-betar-in_21.html)  
(Ivo Ivanŭv, SWLDXBulgaria News, June 20-21, DX LISTENING DIGEST)

13580, Bangladesh Betar 1759-1840 EG news by OM on the hour. IDed as "external service of Bangladesh Betar". Program "Voice of Islam" began at 1805. This ended at 1819 with music played till 1840 when I tuned away. Good on 6/19 (From Don Hosmer in Russia, Travel Logs, MARE Tipsheet 22 June via DXLD)

Reception of Bangladesh Betar in 31mb & 19mb on June 23  
1315-1345 on 9455 DKA 250 kW / 320 deg to SoAs Nepali, good, with QRM at same time 9450 KAS 100 kW / 174 deg to SoAs Hindi China Radio Int.  
1400-1430 on 15505 DKA 250 kW / 290 deg to WeAs Urdu, very good signal  
[http://swldxbulgaria.blogspot.com/2018/06/reception-of-bangladesh-betar-in-31mb\\_24.html](http://swldxbulgaria.blogspot.com/2018/06/reception-of-bangladesh-betar-in-31mb_24.html)  
(Ivo Ivanŭv, SWLDXBulgaria News, June 23-24, DX LISTENING DIGEST)

\*\* BELGIUM. BRTF 621 kHz Closing Soon

The 300 kW BRTF transmitter on 621 kHz carrying the programs of La

Première and Viva Cité, and which is also known as RTBF International, will be shut down in the coming months as was previously rumoured.

Hours of transmission have already been reduced. The official announcement is here:

[https://www.rtbf.be/radio/actualite/detail\\_evolution-des-modes-de-diffusion-radio-la-rtbf-prepare-la-fin-de-la-diffusion-en-ondes-moyennes-am-de-la-premiere-et-de-vivacite?id=9948700](https://www.rtbf.be/radio/actualite/detail_evolution-des-modes-de-diffusion-radio-la-rtbf-prepare-la-fin-de-la-diffusion-en-ondes-moyennes-am-de-la-premiere-et-de-vivacite?id=9948700)

and an unedited Google translation of it follows:

Evolution of radio broadcasting modes: RTBF prepares the end of the broadcast on medium waves (AM) of La Première and VivaCité

Posted on Monday June 18th, 2018 at 10:45

In preparation for the upcoming mass arrival of DAB + digital radio in Belgium, RTBF is continuing its process of extinction of the medium wave by reducing the hours of daily broadcast of its transmitter Wavre 621 kHz.

Since 31 May, this transmitter that covers all over Belgium and beyond, operates every day between 6 am and 8 pm (instead of 5 am to midnight previously). This reduction is part of a plan to phase out amplitude modulation (AM) emissions at RTBF, as in all of Europe.

The mode of diffusion in amplitude modulation (which includes the medium waves, the long waves and the short waves) was the first mode of diffusion of the radio in the last century, before being gradually replaced by that in modulated frequencies ( FM) from the 60s.

Over the past ten years, with the gradual development of DAB + digital broadcasting technology, which is taking over from AM and then FM broadcasting , most of the large radio stations that broadcast in amplitude modulation have decided to stop old technology. This has been the case for some time now with our neighbors VRT and Radio France for example. Just like the British BBC World Service broadcaster stopped a few years ago, we can now listen in DAB + in Brussels. It must be said that all these transmitters that operate in this old analog technology are extremely greedy electricity.

The RTBF, which is the last one to be transmitted on medium wave in Belgium, has established a progressive policy of the stop of its transmitters in amplitude modulation (AM) : the short waves first of all there are about ten years, followed by two transmitters on the medium wave in the province of Liège and Luxembourg. There is currently a medium-wave regional transmitter at Houdeng in Hainaut (relay of Viva Cité on 1125 kHz - 20 kW) and the very powerful national transmitter of Wavre (621 kHz - 300 kW) which relays the programs of La Première and sports broadcasts of Viva Cité in the

evening and on weekends.

In anticipation of the massive launch of digital radio DAB + in Belgium next year, the RTBF has decided to start a process of gradual extinction of the broadcasting of its emissions on medium wave: first of all a reduction of 5 hours by day of broadcasts at low listening hours (before 6 am and after 8 pm) of its strongest transmitter emitting on 621 kHz since Wavre, before the complete shutdown of its last two transmitters in the medium waves in the coming months.

The strategy is to turn off the oldest technology (AM) at the time of the massive launch of a new one (the DAB +), while continuing the simultaneous broadcast in FM for several years before the shutdown also of the latter technology of analog broadcast to switch to the full digital DAB + / IP as did Norway last year.

Listeners are already finding it increasingly difficult to find AM / FM receivers. They are replaced by receivers (FM) / DAB + / internet because the future of radio broadcasting is at all digital hybrid coupling DAB + and Internet (IP). DAB + for massive listening to broadcasts and live broadcasts, the internet for listening to more specialized programs, or on demand or outside the main broadcasting area (Brussels and Wallonia for RTBF), as well as abroad.

And it is in this strategy that RTBF is fully committed by proceeding in successive stages out of respect for its audience in order to give it time to equip itself with new technologies.

An important information campaign will precede in the coming months the shutdown of the last two AM transmitters of La PremiÈre and Viva CitÈ at the time of the launch of DAB + (already tested by RTBF and thus audible since 2012 almost everywhere in Brussels and France). Wallonia for Classic 21 and La PremiÈre in particular).

Lastly, it is also possible to listen to RTBF's radio programs, live and on demand, all over the world from the websites of the six RTBF channels and from the mobile sites and applications rtbf.be , Auvio and Radioplayer.be

Small lexicon of radio broadcasting modes

Amplitude Modulation (AM) : This is the first broadcast technology of the radio, launched a hundred years ago. There are three frequency bands (depending on the wavelength): short waves (OC or SW), medium waves (OM or MW) and long waves (OL or LW).

Modulated Frequency (FM) : This is the second broadcast technology of radio, which developed from the 60s and is still today the most widely

used way to listen to radio.

DAB + digital radio : this is the latest technology developed for radio broadcasting, in DAB (compression in MPEG 2) first in the 80s and then in DAB + (compression in MPEG4) since the end of the years 2000 and is becoming widespread in Europe. Unlike the first two technologies that are analog, the DAB + is digital. Its massive launch throughout Belgium is planned for next year.

Digital radio by internet : it is a completely different means of digital broadcasting, which uses the IP (internet protocol) as transmission technology and which, unlike the other three technologies called "broadcast" (free reception for the listener), requires an internet connection (-- Richard Langley, June 26, WOR iog via DXLD)

\*\* BHUTAN. 6035, BBS (presumed), on June 20, with greatly extended broadcast; from tune in at 1147, still going through to when tuned out at 1320; from 1147 to 1200, usual program of pop songs; 1200+ segments with announcers or segments with indigenous music/singing/chanting; never strong enough to ID language, so IDing this solely on the unique style of music; considerable QRM from the relay, in Chinese, of FM99, via Yunnan. BBS did have some respectable reception, especially about 1255 UT, with Thimphu sunset at 1259 UT and my local sunrise at 1249 UT, so nice grayline reception. My musical, three minute audio at <http://goo.gl/EkaxQJ>  
(Ron Howard, Asilomar State Beach, CA, Etûn E1, antenna: 100' long wire, WOR iog via DXLD)

Hi Glenn, June 21 - Very pleased to find that for the second consecutive day that BBS (6035) is again on the air 1320+, with the usual format; especial nice selection of solo indigenous stringed instrumental music, very unique, from 1225 to 1230. Still mixing with the FM99 relay via Yunnan, but both about equal strength today. Could this be a new BBS schedule now? (Ron Howard, Ocean Beach, San Francisco, Calif., WOR iog via WORLD OF RADIO 1936, DX LISTENING DIGEST)

\*\* BOLIVIA. 3310, Radio Mosoj Chasqui, Cotapachi, 2327-2335, 22-06, Quechua, comments. 15321 (Manuel MÈndez, Lugo, Spain, Logs in Reinante, Tecsun S-8800, cable antenna, 8 meters, WOR iog via DXLD)

\*\* BOLIVIA. 5580 kHz, Radio San JosÈ por Dexista Ivanildo GonÁalves, 1724 UT 25 Junho 2018  
<https://youtu.be/G9wg5Abt7Ts>  
RX: Tecsun PL 660 Antena: Beverage simples 2 Mini Encontro DX de Mato Grosso Nova Xavantina MT Brasil (Daniel Wylllyans, Hard-Core-DX mailing list via DXLD) 44 seconds, just music and jostling, no patchcord (gh)

\*\* BOLIVIA. 6134.8, Radio Santa Cruz, Santa Cruz de la Sierra, 2329-2340, 22-06, on air again but with distorted signal. Spanish, comments, very weak and with interference from Aparecida. 12321 (Manuel MÈndez, Lugo, Spain, Logs in Reinante, Tecsun S-8800, cable antenna, 8 meters, WOR iog via DXLD)

Radio Santa Cruz on air again but with distorted signal ---  
Manuel MÈndez, Lugo, Spain, Log in Reinante

BOLIVIA, 6134.8, Radio Santa Cruz, Santa Cruz de la Sierra is on air again, but with distorted signal. Heard here in Reinante, 2329-2340, 22-06, Spanish, comments, very weak, distorted and with interference from Aparecida. 12321.

June 20 and 21 I heard it via SDR Kiwi Paraguay and Pardiño, S.,o Paulo, 6134.88 kHz, at 1015 UT with Bolivian songs, comments in Spanish and identifications "Radio Santa Cruz", but very distorted signal. Aparecida out of air at that moment.

I contacted again with the station to inform them about the distorted signal and here the reply:

"Estimado Manuel: Continuamos con algunos problemas en la OC, el equipo tècnico est. trabajando en mejorar las condiciones. Muchas gracias por el seguimiento y agradecemos poder estar en permanente contacto. Un fuerte abrazo"

They say they continue with some problems on short wave, and the technicians are working to improving the conditions of the transmitter (Manuel MÈndez, Spain, June 23, WOR iog via WORLD OF RADIO 1936, DX LISTENING DIGEST)

\*\* BOTSWANA. 15605, June 21 at 1417, VP S5-S6 talk in unID language. EiBi and NDXC/Aoki show this hour is VOA Kurdish via Selebi-Phikwe, of all places, a.k.a. Moeping Hill. In east-central Botswana near the Zimbabwe border, S-P is the sixth largest city in Botswana, somewhat SSE of Francistown (still named that?) which was once known as a radio site. Moeping Hill is \*much\* harder to locate, as it may just be a real hill rather than a populated place. All the few Google search hits on ``"moeping hill" botswana`` lead to DX reports about it! including my own, and Bill Whitacre's 909 kHz logs from Maine (at IBB, he surely knows exactly where it is). I assume the Botswana relay was not originally set up to serve the Mideast, but why not, if there is a convenient antenna, and an hour to spare on some transmitter? HFCC shows it's 100 kW at 10 degrees. That angle misses Kurdistanish Iraq and Iran, rather thru Israel, Lebanon, Syria into Kurdistanish Turkey. E.g. distance to Diyarbakir is 6.8 megameters or over 4.2 kilomiles, overland (Glenn Hauser, OK, WORLD OF RADIO 1936, DX LISTENING DIGEST)

Hi Glenn, Yes, Francistown still survives as Francistown. I've never been able to find an exact published location for Moeping (or Moepeng) Hill, so I always stick to Selebi-Phikwe as per the usual shortwave lists (Bill Bingham, RSA, WOR iog via DXLD)

\*\* BOUGAINVILLE [non-log]. 3325, NBC Bougainville, 1046+, June 21. Clearly off the air today, so continuing to be rather erratic; only "Voice of Indonesia" heard here.

3325, NBC Bougainville, 1122, June 23. Back on the air today; interview in Pidgin; promo for "NBC Radio" and separate full ID for "NBC Bougainville," including SW & FM frequencies; 1128 till suddenly cut off at 1159\*, with pop songs.

The definition today of "frustrating," is having to listen to NBC and Voice of Indonesia mixing together here rather badly, when the remainder of the 90m band is virtually empty of stations. If only one of them would do us a favor and move to a clear frequency! Both could then have decent reception.

After 1159, VOI in the clear with Chinese till switching at 1200, over to Japanese and later at 1300, switching over to English, with ID again only given for "9525".

3325, NBC Bougainville, on June 24. As usual on Sunday, was monitoring here and found anomaly; one of their longest, extended broadcasts; 1103-1245\*; religious (Christian) songs 1103-1110; then preaching till 1145; followed mostly with non-stop religious songs till suddenly off at 1245\*, whereas they normally go off about 1200 or somewhat earlier; most of the time with Voice of Indonesia QRM, but with NBC stronger; after 1245, VOI was in the clear. My NBC (religious music) & VOI (in Japanese & some music) audio, till NBC ended, at <http://goo.gl/xoc9ma>  
My local sunrise at 1248 UT.

Today clearly proved NBC is no longer carrying the syndicated (USA) program hosted by Stacy Rose ("Island Praise"), that formerly was only on Sundays 1200+. I miss her unique music show! (Ron Howard, Ocean Beach [San Francisco], CA, EtÛn E1, antenna: 100' long wire, WOR iog via WORLD OF RADIO 1936, DXLD)

3325, NBC Bougainville, on June 26, from 1059 till cut off at 1154\*. Slightly stronger than the Voice of Indonesia also on frequency; 1100-1150, in Pidgin with long series of interviews; 1130 one about the upcoming 2019 independence referendum; mentions of "the government after 2019," "national government," "local government," many mentions of "independence," etc.; 1150 nice Pacific Islands singing till cut

off (Ron Howard, Ocean Beach [San Francisco], CA, EtŮn E1, antenna:  
100' long wire, WOR iog via DXLD)

\*\* BRAZIL. 6010, R·dio InconfidŃncia, Belo Horizonte, 0440-0459, 25-  
06, music, Portuguese, comments, Brazilian songs. Very weak. LVTC out  
today. At 0459 eclipsed by BBC World Service on 6005. 15321. (MŃdez)

11855.7, R·dio Aparecida, Aparecida, 2020-2034, 23-06, Portuugese, ID  
iR·dio Aparecida, a nossa m'sicaŃ, Portuguese and pop songs in  
English, Bee Gees songs. 24332. (MŃdez)

11895.1, R·dio Boa Vontade, Porto Alegre, 2005-2022, 24-06,  
Portuguese, religious comments, religious songs. 13321 (Manuel MŃdez,  
Lugo, Spain, Logs in Reinante, Tecsun S-8800, cable antenna, 8 meters,  
WOR iog via DXLD)

\*\* BRAZIL. 6940 kHz R·dio M·xima - Ouro Fino MG, 15 Watts, recebida  
m'sica com muita QRM de Radio amadores clandestinos 22 Junho 2018 em  
19:07 UTC por Dexista: Ivanildo GonŃalves  
<https://youtu.be/GfT7sST2jBo>  
RX: Tecsun PL 660 Antena: Beverage simples, 2 Mini Encontro DX de Mato  
Grosso SŃtio, Estrela do Araguaia, Nova Xavantina MT Brasil (Daniel  
Wyllyans, Hard-Core-DX mailing list via DXLD)

8000 kHz, R·dio Casa - Amparo SP por Dexista Ivanildo GonŃalves,  
M'sica, Ńs 1516 UT 23 Junho 2018, RX: Tecsun PL 660, Antena: Beverage  
simples  
[https://youtu.be/1-X\\_7ews5YU](https://youtu.be/1-X_7ews5YU)  
2 Mini Encontro DX de Mato Grosso, SŃtio Estrela do Araguaia, Nova  
Xavantina MT Brasil (Daniel Wyllyans, Hard-Core-DX mailing list via  
DXLD)

\*\* BRAZIL. R. Transmundial, 11734.96 kHz. This station doesn't often  
propagate well to this area, but hearing it from 1655 at best-ever  
level here. Male in Portuguese, occasional musical flourishes, many  
mentions of iTransmundial,Ń including ID at TOH. Fair to good levels,  
great modulation, near 100% readable. Not hearing Zanzibar here at all  
at the moment (Art Delibert, Maryland, 6/20, National HRO-500 (precise  
frequency was read on a more modern receiver!), Pennant antenna with  
DX Engineering pre-amp, Hard-Core-DX mailing list via DXLD)

\*\* BULGARIA [and non]. Shortwave Radiogram, 22-25 June 2018 ---  
Shortwave Radiogram this weekend is in MFSK32 and MFSK64 and includes  
ten images. Decode using Fldigi from <http://w1hkj.com> or the TIVAR app  
on Android devices.  
[http://swradiogram.net/post/175139183212/shortwave-radiogram-22-25-june-2018-](http://swradiogram.net/post/175139183212/shortwave-radiogram-22-25-june-2018-turning-the)  
turning-the  
(Kim Elliott, WOR iog via DX LISTENING DIGEST)

\*\* BULGARIA. SECRETLAND, Three stations on 9400 kHz via SPL  
Secretbrod, June 23  
The Mighty KBC Radio  
1500-1600 9400 SCB 100 kW / 306 deg WeEu English Sat, very strong  
Bible Voice Broadcasting  
1700-1800 9400 SCB 100 kW / 090 deg WeAs Persian Daily, very good  
End Times Coming ETC Radio Ex-Catholics For Christ  
1800-1830 9400 SCB 100 kW / 306 deg WeEu English Daily, very good  
<http://swldxbulgaria.blogspot.com/2018/06/three-stations-on-9400-khz-via-spl.html>

Reception of From the Isle of Music via SPL Secretbrod, June 24  
1500-1600 9400 SCB 100 kW / 030 deg EaEu English/Spanish Sun, fair:  
[http://swldxbulgaria.blogspot.com/2018/06/reception-of-from-isle-of-music-via-spl\\_24.html](http://swldxbulgaria.blogspot.com/2018/06/reception-of-from-isle-of-music-via-spl_24.html)  
(Ivo Ivanov, SWLDBulgaria News, June 23-24, DX LISTENING DIGEST)

\*\* CANADA. 740, CFZM, ON, Toronto ñ Format to AC/OLD:TLK (ex-NOS/TLK);  
slogan to "Zoomer Hits of the 60s 70s & 80s." (Steve Kennedy, NRC AM  
Log Updates, AM Switch, NRC DX News July 2, published June 24 via  
DXLD)

\*\* CANADA. 990, June 26 at 0650 UT, CBW Winnipeg is dominating the  
frequency, not unusual lacking any auroral suppression, ending 'The  
World' from PRI, also carried in the afternoon on numerous USA public  
radio stations, and previewing next programming from The Monocle, a  
non-BBC British source, which I've yet to run across on any USA  
station, just CBC overnight. Apparently to be on in following hour  
after news, as now just some music, fill? 'The World' is excellent and  
ought to be on some US SW station (Glenn Hauser, OK, DX LISTENING  
DIGEST)

\*\* CANADA. JAZZ.FM91 LISTENERS STUNNED AT CHANGES, ALLEGATIONS OF  
MISCONDUCT AT BELOVED RADIO STATION [CJRT-FM 91.1 Toronto]

Station offers few explanations for departure of popular hosts amid  
allegations by employees of harassment --- Mary Wiens CBC News  
Posted: Jun 23, 2018 5:00 AM ET | Last Updated: June 23

<http://www.cbc.ca/news/canada/toronto/jazz-fm91-listeners-stunned-at-changes-allegations-of-misconduct-at-beloved-radio-station-1.4719169>

Listener and donor Deborah Abbott says she feels betrayed by JAZZ.FM.  
For a one-time donation of \$750, Abbott was invited to join former  
host Dani Elwell on Host Your Own Radio Show. (Supplied by Deborah  
Abbott)[caption]

Listeners to JAZZ.FM91 are dismayed by on-air changes at Canada's only

all-jazz radio station, as well as news of allegations of sexual misconduct, workplace harassment and mismanagement against former CEO and president Ross Porter and board members.

"It's so disappointing, shocking that this is going on," says long-time listener Deborah Abbott. She's already cancelled her monthly donations of \$120. "It's very, very sad to see it all fall apart."

Hosts at the station often referred to listeners as "members of the JAZZ.FM family," but there have been no explanations on air about the recent departures of four long-time on-air personalities, nor the earlier departure last fall of station stalwarts, including the vice president of creative talent Dani Elwell, who doubled as an on-air host, or the departure in April of morning show host Garvia Bailey. The abrupt departure of former morning show host Garvia Bailey in April left listeners wondering what was going on at the station.

"All of a sudden I'm listening one Saturday morning," recalls Abbott, "and [Elwell] isn't on. I sent a note, saying, 'I missed you this morning,' and she writes back."

Elwell replied, saying, "Unfortunately this was not my choice. I wasn't allowed to say goodbye with the show."

Board member John Sadler declined a request from CBC Toronto for an interview with interim CEO Charles Cutts or anyone else connected with station management.

However, last Sunday, in an email to listeners, board chair David McGown and Cutts wrote that the station is facing challenges, and said JAZZ.FM is not immune to changes in "the fractured media landscape." Former employees allege harassment, mismanagement

But a letter obtained by CBC Toronto, dated March 16, 2017 from eight former and five current on-air staff at JAZZ.FM, tells a different story. "We are a collective of past and present JAZZ.FM91 employees," it begins.

Then the letter goes on to accuse a number of senior figures at the station of "ongoing workplace harassment, sexual harassment, bullying and general mismanagement of the station."

The letter points the finger at Porter, along with Sharda Prashad, the vice president of finance and operations, former board chair Bernie Webber and board vice chair Renah Persofsky.

The signatories say that over the past five years they've witnessed "a steady erosion in the overall management" and a climate of fear and

low morale.

None of allegations have been proven.

Longtime JAZZ.FM host Jaymz Bee with pianist Ron Davis at a live broadcast. (tomros) [caption]

Former staff, none of whom would allow their names to be used for fear of legal retribution, say the board responded by hiring workplace lawyer Jennifer MacKenzie to conduct an investigation.

In the emailed letter, McGown and Cutts inform listeners that "Ross Porter recently stepped aside to spend more time with his family and in particular his wife, who is terminally ill." The letter also says Porter will continue to provide programming and advice to the station for the coming year.

A sense of personal loss for listeners

On a Facebook page for JAZZ.FM listeners, many people describe feelings of personal loss, especially when they tuned in last week to find the morning show replaced by unñhosted music, interspersed with traffic reports and BBC newscasts.

"That first morning, I was stunned," says Abbott. 'I wake up to the station. I go downstairs and search the website and can't find Garvia or Jaymz on the website. And Garvia was amazing, a great morning host, very engaging. James was this other dynamic in the morning ... He was always fun to listen to."

Profile === Massey Hall memories: Lightfoot, Lee and more recount what iconic music venue means to them

This 17-year-old trumpeter was accepted to Juilliard, but needs help raising the \$91K price tag [captions]

One longtime host says the on-air changes were preceded by years of growing secrecy and abrupt personnel changes at the station.

"I started to see a revolving door, sped up to a point I've never seen before in any other organization." The former host says several one-time colleagues are dealing with PTSD.

The collective letter says that over about five years, at least 40 employees have resigned abruptly, been fired abruptly or left the station "because it was untenable."

None of the allegations against Porter or the board members have been proven in court.

'They failed this organization'

"If the board is responsible for good governance, they failed this organization," says the one-time host. "For a non-profit public organization, the transparency is almost negligible."

The former host and other staff also question the board approving a salary of more than \$300,000 for the former CEO, given the station's annual budget of \$4.5 million and its reliance on listener donations.

Abbott blames the board for failing to protect the people who wrote the collective letter and the recently departed hosts.

"They should have asked for more money and been upfront about it," says Abbott. "We all know the media is suffering and that things are tough in the radio business."

Like Abbott, long-time listener Linda Scott is also cancelling her monthly donation of \$20, saying she resents the lack of transparency.

"I didn't think they explained all these people leaving," says Abbott. 'Difficult decisions'

In the email to listeners, Cutts and McGown say they were "difficult decisions" and add that "to put them in context, our actions occurred on the same day that Rogers Media terminated one-third of its digital content and publishing team."

'I don't see what Rogers has to do with anything," says Scott. "JAZZ.FM wasn't connected to Rogers. They seem to be sidestepping things. The email made it sound like they just want to ensure that you still give them money."

Scott contrasts JAZZ.FM's response with that of Soulpepper, another arts organization that went through a similar upheaval after its former CEO Albert Schultz resigned amid allegations of sexual misconduct.

Embattled Soulpepper Theatre at risk of losing federal arts funding after sexual harassment scandal

As a frequent attendee of Soulpepper's productions, Scott says the theatre board appealed to its audience for support with posts from actors and crew about how much the company and their ongoing support meant to them.

"But I don't feel the same pull from anyone at JAZZ.FM. There's a lack

of transparency."

Pianist Ron Davis, frequent on-air guest and longtime listener, says the diminishing number of jazz clubs in the city made JAZZ.FM all the more crucial for musicians to connect with an audience. (tomros)  
[caption]

Toronto jazz pianist Ron Davis, another long-time listener and frequent on-air guest, says the changes are potentially devastating for the jazz community across Canada, because it's one of only three all-jazz radio stations in North America.

"There isn't a jazz musician in this city who doesn't imagine their music being brought to the public by JAZZ.FM, from students to jazz veterans," says Davis. "Whether you're a 15-year-old student in the jazz program at Humber College, or a veteran with a new recording, it all passes through JAZZ.FM." (via Gerald T Pollard, NC, WORLD OF RADIO 1936, DXLD)

\*\* CANADA. One Canadian, from Es FM DX session under USA:

91.9, June 20 at 1702, news mentions Prime Minister Trudeau without defining him as Canadian, so likely from Canada. There are 26 Ontarians on 91.9! But 18 of them are CIDE-FM aboriginal 10-watt relays in remote areas like Muskrat Dam. This sounds more like CBC Radio 1, which includes two medium-power satellites, the closest one to the OH/IN PTA being: CBEW-FM-1 Leamington 91.9, 10.45 kW H&V, 73.6 m HAAT, relaying CBEW-FM 97.5 in Windsor. 1457 km = 906 mi (Glenn Hauser, OK, DX LISTENING DIGEST)

\*\* CHAD [non]. Dandal Kura Radio Int via MBR Issoudun, June 20-21 1800-2000 on 11830 ISS 100 kW / 167 deg to CeAf Kanuri, very good 0600-0700 on 11910 ISS 100 kW / 167 deg to CeAf Kanuri, very good [http://swldxbulgaria.blogspot.com/2018/06/reception-of-dandal-kura-radio-int-via\\_21.html](http://swldxbulgaria.blogspot.com/2018/06/reception-of-dandal-kura-radio-int-via_21.html)  
(Ivo IvanŮv, SWLDXBulgaria News, June 20-21, DX LISTENING DIGEST)  
See also NIGERIA [non]

\*\* CHILE. 5907-AM [Test] RCW. June 18. 2300-2320 UT. Comments and rock music. 35232. Audio File:  
<https://archive.org/details/5907AMTestRCWJune182314UT>  
(Claudio Galaz, Antenna: Dipole, Receiver: TECSUN PL-660; QTH: Ovalle, Chile, WOR iog via WORLD OF RADIO 1936, DX LISTENING DIGEST)

\*\* CHINA. 6035, FM99 relay via Yunnan, at 1220, on June 22. No Bhutan (BBS) extended broadcast today; usual FM style format; Shakira singing "Waka Waka" (This Time for Africa); have found a number of stations recently playing this song during the current World Cup games (Ron

Howard, Ocean Beach [San Francisco], CA, EtÛn E1, antenna: 100' long wire, WOR iog via DXLD)

\*\* CHINA. 9280, CNR 1 jammer, 2244, 6/23/18, in Mandarin. Woman, musical bridge and announcement by a man into the same woman announcer. Vs unheard Sound of Hope in Mandarin from TAIWAN. CNR was fair (Mark Taylor, Lake Farm County Park near Madison, WI. Mini DXpedition, 1200ñ1400, 6/23/18. Equipment: Airspy HF+ SDR & W6LVP portable loop. I finally figured out the technical problems I was having with using an SDR at this otherwise fine location for reception. It appears that the 10 aluminum picnic tables were creating an interference barrage for the loop antenna and computer, NASWA Flashsheet June 24 via DXLD)

\*\* CHINA. 11745, Unidentified music station (referenced as the "firedragon" at 1758. First noticed by me at around 1745 as strong open carrier just before the top of the hour, then began hearing firedragon / firedrake Chinese music. References show that at the top of the hour opening of Radio free Asia via Tinian, which is probably the intended victim of the jamming. Very strong S9 signal with portable ATS-909X and 9 foot vertical - June 20 (Rick Barton, heard in Central Arizona, 73 and Good Listening....! -rb, DX LISTENING DIGEST)

\*\* CHINA. 11785, June 22 at 1342, Firedragon jamming instead of CNR1 for a change, S9-S7, way over victim VOA Philippines; both off after 1400 (Glenn Hauser, OK, DX LISTENING DIGEST)

\*\* CHINA [and non]. 11900, CNR 1 jammer, June 23, 2018, 1424ñ1435 in Chinese. SIO 555. Listed language is Mandarin, likely jamming VOA on same frequency. Both YL and OM announcers. Can hear VOA signal under CNR signal, but CNR signal dominates here. No QRN/QSB. Time pip at bottom of hour (Vince Henley, Anacortes, WA, Equipment in use: WiNRADiO G39DDCe SDR, ICOM IC-R8600, Ten-Tec RX-340, Drake R8B, TECSUN PL-380, TECSUN PL-660, TECSUN PL-880. Antennas: whips on PL-380, PL-660, PL-880 and Alpha-Delta DX-Ultra installed broadside east west at 30 feet, NASWA Flashsheet June 24 via DXLD)

\*\* CHINA [non]. CUBA / CHINA CRI China Radio International Cuba relay from Tit·n - Quivic·n San Felipe site, 250 kW transmitter #1, and partly tx #5 requested registrado with HFCC Prague A-16 season list, - transformed according to A-18 schedule, 'Yue = Cantonese language'

<<http://www1.s2.starcat.ne.jp/ndxc/cn/cria18.htm>> [excerpt:]  
13590 1200 1300 8 HAB 250 10 0 206 250318 281018 Yue CUB CRI RTC  
13590 1300 1400 8 HAB 250 10 0 206 250318 281018 Eng CUB CRI RTC  
(BC-DX 20 June via DXLD)

Imaginary: this transmission has stayed on 9570 now and yearound! (gh, DXLD)

\*\* CHINA [and non]. Allegedly taking over Radio Australia frequencies: see AUSTRALIA

Hi Glenn, We can only hope that PNG's PM OiNeill, while in China, can perhaps extract some money from them to bring about the improvements to NBC that were talked about late last year - "Minister for Communication, Information Technology and Energy Sam Basil wants all 22 provinces to have short wave frequency radio stations. . . . ." Without some external money, how can PNG's idealistic project actually happen?

Maybe Beijing could also help Radio Vanuatu get back on SW again? (Ron Howard, San Francisco, WOR iog via DXLD)

\*\* COLOMBIA. 5910.3, Alcaraván Radio, Puerto Lleras, 0440-0610, 22-06, Latin American songs, ID iAlcaravan Radioî. Very weak. 15321. Also 0443-0610, 24-06, Latin American songs. 15331. Also 0438-0510, 26-06, Latin American songs, illanerasî. 25322. (MÈndez)

6009.9, La Voz de tu Conciencia, Puerto Lleras, 0446-0458, 24-06, Latin American songs. Extremely weak, best on LSB. Out of air most days. 14321. Also 0442-0458, 26-06, Latin American songs, illanerasî. Very weak. Slight QRM from Radio InconfidÍncia. 13321 (Manuel MÈndez, Lugo, Spain, Logs in Reinante, Tecsun S-8800, cable antenna, 8 meters, WOR iog via DXLD)

\*\* CONGO. 6115, Radio Congo, Brazzaville, 1815-1823, 21-06, French, comments. 14321. Also heard with extended program, 1926-1947, 23-06, French, comments, ID iRadio Congoî, African songs. 24322 (Manuel MÈndez, Lugo, Spain, Logs in Reinante, Tecsun S-8800, cable antenna, 8 meters, WOR iog via DXLD)

6115, Radio Congo, Brazaville, 1930-1945, 23-06, now on air with extended program, French, comments, African songs. 24332 (MÈndez, ibid.)

\*\* CUBA [and non]. 15120, June 20 at 0055, lofi music, S9+10 // 5990, from CRI relay, until 15120 chops off at 0055:48\*. That leaves 15810-WTWW-3 the OSOB. 5990 stays on until about 0104\* as another undermodulated English relay hour has mis-started and now // 6020 ALBANIA. Something's always wrong at RadioCuba.

6165, June 20 at 0058, RHC is already on and undermodulating English instead of \*0100, S9+10, likewise // 6000 at S9+10/20 but undermod does not overcome noise level; while 6060 Spanish is VG S9+20/30.

Something's always wrong at RHC (Glenn Hauser, OK, DX LISTENING DIGEST)

6099.238, June 21 at 1124, RHC is VG S9+10/20 and good modulation during `Despertar con Cuba` morning news magazine, 1129 ID, // 6000.0. Something's always wrong at RHC, but hardly ever way off-frequency like this, from 6100. No het audible; only India scheduled now, but Beijing in Russian from 1200, RHC running an hour more when there should have been a big het today rather than a direct same-frequency collision (Glenn Hauser, OK, WORLD OF RADIO 1936, DX LISTENING DIGEST)

13700, June 21 at 1413, NO signal from RHC Spanish as scheduled 1300-1500. Something's always wrong at RHC: But making up for it:

13740, June 21 at 1413, China Plus relay in English mixing about equally with RHC Spanish which yet again failed to quit at 1400. This time they are about 2 Hz apart instead of one, and take turns dominating, i.e. fading independently, another clue that two geographically distinct transmitter sites are involved. If they continue drifting apart at this rate, in a few centuries they will be far enough apart no longer to collide. Something's always wrong at RHC (Glenn Hauser, OK, DX LISTENING DIGEST)

\*\* CUBA. 5040.00, 0040-0045 22.6, R Habana Cuba, Bauta, Spanish talk, ID: "Radio Habana Cuba" - Not English as scheduled, 45333, Best 73, (Anker Petersen, Denmark, on my AOR AR7030PLUS with 28 metres of longwire, wbradio yg via DXLD) No, English is at 23-24 in summer, 00-01 only during winter time (gh, DXLD)

\*\* CUBA. 6099.238, June 22 at 1150, RHC Spanish still \*way\* off-frequency, remeasured exactly the same as 24+ hours ago. VG signal and nothing to het it yet; this time I recheck at 1203 and now there is a big het from CRI Russian via Beijing on 6100.0, but RHC is atop. Something's always wrong at RHC. However, 6100 circa 0630 in English was on-frequency, but very undermodulated, different transmitter (Glenn Hauser, OK, WORLD OF RADIO 1936, DX LISTENING DIGEST) See also PHILIPPINES [and non], ROMANIA [and non]

1700, June 23 at 0155, RHC music is quite undermodulated, as often on this frequency compared to //s. Something's always wrong at RHC (Glenn Hauser, OK, DX LISTENING DIGEST) See also UNIDENTIFIED 6165

6099.238, June 24 at 1248, RHC off-frequency from 6100 for at least the third morning {not checked June 23}, remeasured each time on exactly the same frequency to the Hz; at least they are consistent. It's S8-S9 with het, about same level as 5970 WEWN. Something's always wrong at RHC (Glenn Hauser, OK, WORLD OF RADIO 1936, DX LISTENING DIGEST)

5040, June 24 at 0635, RHC dead carrier is still on at S9+10/20. Should have turned off circa 0600\* after English hour; wake up and save some pesos to feed undernourished Cubans. Something's always wrong at RHC (Glenn Hauser, OK, DX LISTENING DIGEST)

15140, June 24 at 1455, astounded to find RHC Spanish on here, a frequency not supposed to start until 1800 in Arabic. It's S9/S9+10, so much for OMAN! It's the only significant 19m signal besides 15825 WWCW. At this time RHC also audible on 13700, 17730, and 11760, the latter the only one supposed to stay on after 1500 thru midday, but both are still going at 1529, 1605. Presumably 15140 retained as still going at 1730; and 1900 starting English. I should have checked 1500-1530 whether 15140 was in Esperanto like 11760 should have been on Sunday only. Something's always wrong at RHC (Glenn Hauser, OK, WORLD OF RADIO 1936, DX LISTENING DIGEST)

13740, June 24 at 1458, China Plus relay in English is just barely modulated. Something's always wrong at RadioCuba.

15140, June 25 at 1412 check, RHC is off again, unlike all morning yesterday. 15230 is however on now, and maybe was missing yesterday, altho it's scheduled only until 1500, while mistaken 15140 stayed on past 1730 into its nominal start after 1800. Punched up wrong frequency or memory?

6270, June 26 at 0636, the smooth speech of ``Ed Newman`` can be recognized at S6 about even with the noise level, i.e. leapfrog mixing product of RHC English 6060 over 6165 another 105 kHz higher. Why aren't these longstanding spurs shown in frequency references? They are on the air. They exist. They make RHC a QRP DX target. Something's always wrong at RHC (Glenn Hauser, OK, DX LISTENING DIGEST)

\*\* DENMARK. 5840, World Music Radio, 06-06-2018, 1952-2024. International music program with afropop, slow pop songs, L.A. ballad etc., woman brief announcements (no clear) with possible IDs, man unclear announcement, chorus jingle ID at times as World Music Radio, woman ID at 2009 as W.M.R., other rumbled announcements during music program, heard in USB, strong QRN statics, almost fair (Gianni Serra, Roma, Italy. Equipment: JRC NRD 525 receiver; Alpha Delta DX-SWL Sloper-S antenna; RG 8 mini coaxial cable; JPS NIR 12 Noise & Interference Reducer-Dual DSP outboard audio filter; JRC NVA 319 external loudspeaker unit; Sony MDR-101 stereo headphones; Oregon Scientific RM 912 radio controlled clock -- NASWA Flashsheet June 24 via DXLD)

\*\* ECUADOR [and non]. 1510 kHz, HCHD-2, Guayaquil - Ecuador vs Radio Belgrano Argentina 1510 kHz. HCHD-2 ... uma estaÁ,,o hor·ria; transmite

sons de BIP, BIP, com 500 Watts. RX: Yaesu FRG 8800, Antena: Beverage  
simples

<https://youtu.be/su-TNTHoTEo>

(Daniel Wylllyans, 2 Mini Encontro DX de Mato Grosso, Nova Xavantina MT  
Brasil, Hard-Core-DX mailing list via DXLD)

Same timesignaller used to be on SW 3810, as HD2IOA = Instituto  
Oceanográfico de la Armada; last reported in DXLD 12-40, Sept/Oct 2014  
(Glenn Hauser, DXLD)

\*\* EGYPT. Unidentified station with Egyptian music June 20  
1000-1010 on 9550 unknown tx / unknown to ????, poor/weak:  
[http://swldxbulgaria.blogspot.com/2018/06/unidentified-station-with-egyptian\\_20.html](http://swldxbulgaria.blogspot.com/2018/06/unidentified-station-with-egyptian_20.html)  
(Ivo Ivanov, SWLDBulgaria News, June 20, DX LISTENING DIGEST)

Unidentified station with Egyptian music June 23  
0900-0920 on 9400 unknown tx / unknown to ????, weak/fair:  
[http://swldxbulgaria.blogspot.com/2018/06/unidentified-station-with-egyptian\\_23.html](http://swldxbulgaria.blogspot.com/2018/06/unidentified-station-with-egyptian_23.html)  
(Ivo Ivanov, SWLDBulgaria News, June 23, DX LISTENING DIGEST)

Unidentified station with Egyptian music June 23  
1030-1035 on 9550 unknown tx / unknown to ????, weak/fair:  
[http://swldxbulgaria.blogspot.com/2018/06/unidentified-station-with-egyptian\\_24.html](http://swldxbulgaria.blogspot.com/2018/06/unidentified-station-with-egyptian_24.html)  
(Ivo Ivanov, SWLDBulgaria News, June 23-24, DX LISTENING DIGEST)

Unidentified station with Egyptian music, June 25-26  
from 1133 on 9600 unknown tx / unknown to ????, weak signal  
from 1215 on 9600 unknown tx / unknown to ????, fair signal  
[http://swldxbulgaria.blogspot.com/2018/06/unidentified-station-with-egyptian\\_26.html](http://swldxbulgaria.blogspot.com/2018/06/unidentified-station-with-egyptian_26.html)  
(Ivo Ivanov, SWLDBulgaria News, June 25-26, DX LISTENING DIGEST)

So how does he know it's in Egypt? Anyone could play Egyptian music  
(gh)

\*\* EGYPT. 9895, Radio Cairo (presumed); 2057-2110+, 6/19; W in French  
& M in Arabic; if this was a language lesson, it sure takes a lot more  
words in Arabic than in French; stirring music bumper at 2103 & W&M  
continued. S8 with very muted audio (Harold Frodge, Midland MI, USA,  
Drake R8B + 185' RW, ----- All logged by my ears, on my receiver, in  
real time & without the aid of a computer! -----, DX LISTENING DIGEST)

Reception of Radio Cairo West European Service 31mb June 22:  
1700-1900 9799.7 ABS 250 kW / 005 deg N/ME Turkish, off air at 18 UT  
1800-1900 9490.0 ABS 200 kW / 325 deg WeEu Italian, good modulation,

1900-2000 9604.7 ABS 250 kW / 005 deg EaEu Russian - not on air today  
1900-2000 9570.0 ABS 200 kW / 325 deg WeEu German, good modulation,  
2000-2115 9894.7 ABS 200 kW / 325 deg WeEu French, good modulation,  
2115-2245 9799.7 ABS 200 kW / 325 deg WeEu English, good modulation  
<http://swldxbulgaria.blogspot.com/2018/06/reception-of-radio-cairo-west-european.html>  
(Ivo Ivanov, SWLDXBulgaria News, June 22, DX LISTENING DIGEST)

9799.70, June 23 at 2130 S5-S7 of dead air, presumably R. Cairo on signature off-frequency for English sesquihour from 2115. Maybe some modulation would be detectable if stronger signal (Glenn Hauser, OK, DX LISTENING DIGEST)

Hi! Radio Cairo 2200 UT, 9800 kHz English, female with news followed by Arabic song. Music, etc., sounds okay but audio on speech sounds distorted. SINPO 44343. Tecsun PL-660 + Tecsun active ant. 73, (Jon Collins, Birmingham, middle of a hot UK! June 25, DX LISTENING DIGEST)

Radio Cairo internet feed --- Does anyone have any reliable internet links for Radio Cairo's foreign language, especially English, service? I had some links a year or two ago, but now they no longer work. Thanks (Robert Gorsch, dxldyg via DX LISTENING DIGEST)

[http://www.egradio.eg/our\\_extentions/egplayer/](http://www.egradio.eg/our_extentions/egplayer/)

Currently active, WITH audio:

http://lr.onlinehorizons.net/player.swf?file=livestream&streamer=rtmp://  
liveRadio.onlinehorizons.net/ElBernamegElOrobi&autostart=true  
= ERTU European Programme 95.4 MHz (Currently with a program in  
French, 2018-06-23\_0845z)

[illegible]

I solved that one year ago with a trick via VAC and HSDR .... ;-)  
[http://www.rhci-online.net/radiogram/VoA\\_Radiogram\\_2017-02-18.htm#Cairo](http://www.rhci-online.net/radiogram/VoA_Radiogram_2017-02-18.htm#Cairo)

http://lr.onlinehorizons.net/player.swf?file=livestream&streamer=rtmp://  
liveRadio.onlinehorizons.net/Qurankareem&autostart=true  
= ERTU Holy Quran Programme 98.2 MHz

http://lr.onlinehorizons.net/player.swf?file=livestream&streamer=rtmp://  
liveRadio.onlinehorizons.net/SootArab&autostart=true  
= ERTU Voice of the Arabs 621 kHz

<http://lr.onlinehorizons.net/player.swf?file=livestream&streamer=rtmp://liveRadio.onlinehorizons.net/ElSawaheely&autostart=true>

= ERTU Kiswahili Programme

<http://lr.onlinehorizons.net/player.swf?file=livestream&streamer=rtmp://liveRadio.onlinehorizons.net/Faressy&autostart=true>

= ERTU Farsi Programme

<http://lr.onlinehorizons.net/player.swf?file=livestream&streamer=rtmp://liveRadio.onlinehorizons.net/Pernamegaam&autostart=true>

= ERTU General Programme 107.4

<http://lr.onlinehorizons.net/player.swf?file=livestream&streamer=rtmp://liveRadio.onlinehorizons.net/SharkAwsat&autostart=true>

= ERTU Middle East Programme 89.5 MHz

!!! Very important in the links is the writing of small and large letters. There were changes, and so some things did not work anymore  
.... (roger, ibid.)

Dear Roger: Thanks so much for the links! (Robert, ibid.)

\*\* EQUATORIAL GUINEA. 5005, Radio Nacional, Bata, \*0505-0512, 22-06, carrier and some songs detected. Extremely weak due to daylight at this time. Also \*0509-0516, 23-06, carrier. Also \*0510-0515, 26-06, only carrier detected due to daylight (Manuel MÈndez, Lugo, Spain, Logs in Reinante, Tecsun S-8800, cable antenna, 8 meters, WOR iog via DXLD)

\*\* ERITREA. Fair/good signal of VOBME-2 Dimtsi Hafash, June 23 from 0709 on 7180 ASM 100 kW / non-dir to EaAf Arabic, BUT from 0734 on 7180 ASM 100 kW / non-dir to EaAf NO SIGNAL!!  
<http://swldxbulgaria.blogspot.com/2018/06/fairgood-signal-of-vobme-2-dimtsi.html>  
(Ivo IvanÛv, SWLDXBulgaria News, June 23, DX LISTENING DIGEST)

\*\* ETHIOPIA [non]. See INTERNATIONAL VACUUM

\*\* ETHIOPIA [non]. FRANCE, Reception of BRB Voice of Amara Radio via TDF Issoudun on June 20:  
1700-1800 15360 ISS 250 kW / 120 deg EaAf Amharic Sat-Mon/Wed, good

Today June 18 again no signal from other BRB Oromo Voice Radio via TDF  
1600-1630 17850 ISS 250 kW / 130 deg EaAf Afan Oromo Mon/Wed/Sat  
[http://swldxbulgaria.blogspot.com/2018/06/reception-of-brb-voice-of-amara-radio\\_20.html](http://swldxbulgaria.blogspot.com/2018/06/reception-of-brb-voice-of-amara-radio_20.html)

Reception of Voice of Oromo Liberation via MBR Nauen, June 20  
1700-1800 15420 NAU 100 kW / 144 deg EaAf Oromo/Amharic Wed, very good  
[http://swldxbulgaria.blogspot.com/2018/06/reception-of-voice-of-oromo-liberation\\_20.html](http://swldxbulgaria.blogspot.com/2018/06/reception-of-voice-of-oromo-liberation_20.html)

(Ivo IvanŮv, SWLDXBulgaria News, June 20, DX LISTENING DIGEST)

FRANCE, Reception of BRB Radio Xoriyo Ogaden via MBR Issoudun, June 22  
1600-1630 17770 ISS 500 kW / 130 deg EaAf Somali Mon/Fri, good signal:  
[http://swldxbulgaria.blogspot.com/2018/06/reception-of-brb-radio-xoriyo-ogaden\\_22.html](http://swldxbulgaria.blogspot.com/2018/06/reception-of-brb-radio-xoriyo-ogaden_22.html)

Reception of Voice of Oromo Liberation via MBR Nauen, June 22  
1700-1730 15420 NAU 100 kW / 144 deg EaAf Afan Oromo Wed/Fri/Sun, fair  
[http://swldxbulgaria.blogspot.com/2018/06/reception-of-voice-of-oromo-liberation\\_22.html](http://swldxbulgaria.blogspot.com/2018/06/reception-of-voice-of-oromo-liberation_22.html)

(Ivo IvanŮv, SWLDXBulgaria News, June 22, DX LISTENING DIGEST)

FRANCE, BRB Radio Xoriyo Ogaden & Voice of Amara Radio via Issoudun,  
June 24  
BRB Radio Xoriyo Ogaden  
1600-1630 17630 ISS 500 kW / 130 deg EaAf Somali Tue/Sat, very good  
BRB Voice of Amara Radio  
1700-1800 15360 ISS 250 kW / 120 deg EaAf Amharic Wed/Sat-Mon, vy good

Today June 23 again no signal from other BRB clandestine station Oromo  
Voice Radio:  
1600-1630 17850 ISS 250 kW / 130 deg EaAf Afan Oromo Mon/Wed/Sat,  
cancelled??  
My last video from BRB Oromo Voice Radio on June 13  
<http://swldxbulgaria.blogspot.com/2018/06/brb-radio-xoriyo-ogaden-voice-of-amara.html>

V of Oromo Liberation via MBR Nauen, June 24  
Voice of Oromo Liberation  
1700-1730 15420 NAU 100 kW / 144 deg EaAf Afan Oromo Wed/Fri/Sun, very  
good

June 24 Voice of Independent Oromiya is via damaged TDF tx Issoudun  
1600-1630 17850 ISS 250 kW / 130 deg EaAf Afan Oromo Sun, distorted

Probably next distorted transmission will be Radio Taiwan Int  
1900-2000 on 13835 ISS 500 kW / 185 deg to NWAf French Sunday  
<http://swldxbulgaria.blogspot.com/2018/06/pan-american-broadcasting-vooromo.html>  
(Ivo IvanŮv, SWLDXBulgaria News, June 23-24, WORLD OF RADIO 1936, DX  
LISTENING DIGEST)

\*\* FRANCE. FRAN«A, 13740. Jun 25, 2018. 1917-1927, Radio France  
Internationale, Issoudun, em Francís. Locutores transmitem e comentam  
o jogo Espanha x Marrocos, Copa do Mundo R'ssia. Transmiss„o  
severamente prejudicada por um ruído semelhante ao motor de um  
aeroplano. Problema no transmissor? (JosÉ Ronaldo Xavier (JRX),  
Cabedelo-Paraíba, Brasil, WOR iog via WORLD OF RADIO 1936, DXLD)

There it is, defective transmitter again. He says at same time REE was \*not\* broadcasting Spain's WC game (Glenn Hauser, WORLD OF RADIO 1936, DX LISTENING DIGEST) And here it is again: just above FRANCE (gh)

\*\* GRENADA. 1400 kHz, Harbour Light Radio of the Windwards from Carriacou, Grenada, Locutor com estilo Gospel, 0056 UT 20 Junho 2018 [https://youtu.be/\\_H\\_0GwX5Ezc](https://youtu.be/_H_0GwX5Ezc)

RX: Yaesu FRG 8800, Antena: Beverage simples (Daniel Wyllyans, 2 Mini Encontro DX de Mato Grosso, Sítio Estrela do Araguaia, Nova Xavantina MT Brasil, Hard-Core-DX mailing list via DXLD)

\*\* GUAM. SPECIAL TEMPORARY AUTHORITY (STA) --- STAs granted: 1530, KVOG, Agaõa ñ Granted STA, U1 150/150 from 20i vertical whip at 13-27-21 N/144-42-29 E, ongoing negotiations with landlord at licensed site (David Yocis, AM Switch, NRC DX News July 2, published June 24 via DXLD) Was only 250 watts (gh)

\*\* GUAM. FEBA relayed here: see SEYCHELLES [non]

\*\* GUINEA. 9650, Radio Guinea, Conakry, \*0648-0800, 24-06, open today more later than other days, French, comments, African songs, ID iRadio Guinée, at 0700 news, more African songs, at 0730 religious program ile Jour du Seigneur. 45444 (Manuel MEndez, Lugo, Spain, Logs in Reinante, Tecsun S-8800, cable antenna, 8 meters, WOR iog via DXLD)

\*\* HAWAII. Local AM and FM stations on the island of Hawaii, as well as those located on other islands in the Hawaiian chain, have opted to retain as much of their regularly scheduled programming as possible. As official announcements and other volcano related information becomes available, the stations simply interrupt the flow of programming and insert the announcements.

The New West Broadcasting Corporation NWBC operates one AM and four FM stations on Hawaii Island. These are:-

|      |      |          |                 |
|------|------|----------|-----------------|
| KPUA | Hilo | 670 kHz  | 5 kW            |
| KWXX | Hilo | 94.7 FM  |                 |
| KNWB | Hilo | 97.1 FM  |                 |
| KA0Y | Kona | 101.5 FM | Relay KWXX Hilo |
| KMWB | Kona | 93.1 FM  |                 |

The five stations in the NWBC network are giving full coverage to all important information associated with the volcanic upheaval and the dramatic lava flow. The network president, Chris Leonard, states that his staff are capable of covering all major events, even during extended hours if necessary.

In addition, when stations on the island are temporarily disabled as a

result of the earthquake, lava flow, and ash deluges, then other stations render technical aid as necessary. When the 6.9 earthquake struck on May 7, station KKBG 97.9 FM in Hilo was silenced due to tower damage. Friendly cooperation soon brought them back on air again.

Official documents report that there are currently four licensed AM stations on the island of Hawaii:

|      |          |        |      |   |                          |
|------|----------|--------|------|---|--------------------------|
| KPUA | Hilo     | Hawaii | 670  | 5 | News, talk & information |
| KIPA | Hilo     | Hawaii | 1060 | 5 |                          |
| KHLO | Hilo     | Hawaii | 850  | 5 |                          |
| KKON | Kealahou | Hawaii | 790  | 5 |                          |

However, current reports indicate that only one of these mediumwave stations KPUA is still on the air; the other three have been declared silent. However, there are other AM news talk stations on the islands of Maui Oahu and Kauai.

Local resident Jeremiah Osuna captured drone footage of the lava burning through the trees in his home area, a scene that he described as a curtain of fire. It sounded like if you were to put a bunch of rocks into a clothes dryer and then turn it on as high as you could. You could just smell sulfur and burning trees and underbrush and stuff, he told Honolulu television station KHON (Adrian Peterson, IN, script for AWR Wavescan June 17 via DXLD)

\*\* INDIA. Happy to inform that the 2nd new 100 kW SW transmitter from Delhi is noted on air for the last few days. The full schedule of the two new 100 kW transmitters from Delhi is as follows;

4870 0230-0330, 1430-1530  
4870 1330-1430 Nepali (Nepal)  
7250 0830-1130 Urdu (Pakistan), 1130-1140 HS  
7380 0100-0200 Sindhi (Pakistan)  
7505 0130-0230 Nepali (Nepal) 0230-0245 Hindi HS, 0245-0300 English HS  
7555 1215-1330 Tibetan (China), 1330-1430 Nepali (Nepal), 1515-1530 HS  
Hindi, 1530-1600 HS English  
9835 0000-0045 Tamil (Sri Lanka)  
9950 0700-0800 Nepali (Nepal)  
9950 0830-1130 Urdu (Pakistan) 1130-1140 HS, 1215-1315 Burmese  
(Myanmar)  
11620 0700-0800 Nepali (Nepal) [see below]

Yours sincerely, (Jose Jacob, VU2JOS, National Institute of Amateur Radio, Hyderabad, India, June 24, dx\_india yg via WORLD OF RADIO 1936, DXLD)

\*\* INDIA. Very odd frequency of All India Radio AIR on June 23  
0700-0800 on 11619.7 DEL 100 kW / 102 deg to SoAs Nepali, good  
[http://swldxbulgaria.blogspot.com/2018/06/very-odd-frequency-of-all-india-radio\\_23.html](http://swldxbulgaria.blogspot.com/2018/06/very-odd-frequency-of-all-india-radio_23.html)  
(Ivo IvanŮv, SWLDBulgaria News, June 23, DX LISTENING DIGEST)

\*\* INDIA. International Radio News: India

According to recent news reports from India, massive monsoonal flooding, with non-stop rain for three days, has caused havoc in the Imphal valley in the Indian state of Manipur, which is located in the north east, right against the border with Burma-Myanmar. The incessant flooding encroached upon the studios of All India Radio AIR in the Palace Compound at Imphal, putting the station off the air at 6:46 am on Wednesday June 13.

With no electricity at the studios, important news and information was read on air directly at the transmitter complex located out of town at Mayang. AIR Imphal operates several radio services, with 300 kW on 882 kHz, and on FM at 100.1 and 103.5 MHz. In addition, a total of six slave relay FM stations throughout the state of Manipur feed off the programing stream from Imphal. The shortwave service with 50 kW on 4775 kHz was closed a few years ago.

On Saturday last weekend June 16, AIR All India Radio in Chennai-Madras celebrated its 80th anniversary with a series of special programs throughout the whole day. It was on Thursday June 16, 1938, that the original AIR radio station in Madras was inaugurated under the callsign VUM.

The facilities for this new radio broadcasting station as it was back then were installed at four different locations and they replaced an earlier radio broadcasting station that was operated by the local government of the Madras Presidency. The original studios for the new AIR VUM were installed in an already available edifice in an upscale area known as The Nook some ten miles south of downtown Madras.

The mediumwave transmitter site was located at suburban Guindy eight miles southwest from Madras where a new 250 watt transmitter was inaugurated on 1420 kHz. A new 10 kW shortwave transmitter made by Philips in Holland, Model KVFH10/12A was inaugurated on a 275 acre site at Avadi some 15 miles from downtown Madras under the callsign VUM2, and a receiver station was installed at Egmore out near the airport (Adrian Peterson, IN, script for AWR Wavescan June 24 via DXLD)

ALL INDIA RADIO SET TO MARK 80 YEARS OF SERVICE WITH SPECIAL PROGRAMMES --- ABU 22 June 2018

All-India Radio-Chennai, will celebrated completing of 80 years of service as a public broadcaster this year. Established in 1938, it has the distinction of being one of the six AIR stations operational at the time of Independence.

AIR started with two channels and now has six terrestrial and 3 DTH and Digital Radio Mondiale channels. To mark the occasion, the Chennai station of AIR broadcasted special programmes, including the journey of Light and Carnatic Music in AIR Chennai, selected topics of Thenkachi K Swaminathan's Indru Oru Thagaval and 80 years of reminiscences from other fields.

[https://www.abu.org.my/Latest\\_News-@-All\\_India\\_Radio\\_set\\_to\\_mark\\_80\\_years\\_of\\_service\\_with\\_special\\_programmes.aspx](https://www.abu.org.my/Latest_News-@-All_India_Radio_set_to_mark_80_years_of_service_with_special_programmes.aspx)  
(via Mike Terry, WOR iog via DXLD)

\*\* INDONESIA. 3325, "Voice of Indonesia," via RRI Palangkaraya, on June 21, at 1059. Full ID in English (ending the English segment); clearly giving just the 9525 frequency; at 1100 switched to Chinese. Again at 1300 started another segment in English with ID and VOI news. NBC off the air today, so no QRM.

3325, Voice of Indonesia, via RRI Palangkaraya, on June 24. In Chinese at 1103; into Japanese at 1200; into English at 1300; ID - "From Jakarta, R R I World Service, Voice of Indonesia, English Service . . . You can listen to our broadcast via shortwave on 9 5 2 5 kilohertz" (only one frequency given); strong QRM from NBC Bougainville, which ended at 1245; at 1300+, with schedule for today, VOI news, "Today in History," etc. My audio of ID in English, at <http://goo.gl/st7Uib>  
My local sunrise at 1248 UT.

3325, Voice of Indonesia, via RRI Palangkaraya, on June 26. At 1059, ending the English segment, again with clear "9 5 2 5 kilohertz"; mixing with NBC Bougainville.

Some of my recent logs here have incorrectly referenced "Pro 1 RRI Palangkaraya," which I guess I did just out of habit, but of course that is no longer the case. Clearly they are not carrying "Programa Satu." Instead is now 100% of the time with Voice of Indonesia programming (Ron Howard, Ocean Beach [San Francisco], CA, EtÛn E1, antenna: 100' long wire, WOR iog via WORLD OF RADIO 1936, DXLD)

\*\* INTERNATIONAL. Latest clandestine schedules, in time order:

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DX RE MIX NEWS #1078 from Georgi Bancov and Ivo Ivanov. June 18, 2018  
Also visit: <[swldxbulgaria.blogspot.com](http://swldxbulgaria.blogspot.com)> &

<youtube.com/user/SWLDXBulgaria>

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Updated summer A-18 schedule of clandestine broadcasts, June 18

Al-Azm Radio

0000-2400 on 11745 JED or RIY / unknown to N/ME Arabic

Radio Rep'blica

0100-0300 on 9490 ISS 150 kW / 285 deg to Cuba Spanish

Voice of Kashmir

0230-0330 on 6030 DEL 100 kW / non-dir to SoAs Kashmiri

Dengî Welat

0230-0500 on 9525 ISS 250 kW / 090 deg to WeAs Kurdish

Radio Rep'blica

0300-0400 on 9490 ISS 150 kW / 285 deg to Cuba Spanish Sun/Mon

Voice of Freedom

0300-0800 on 6045 HWA 010 kW / non-dir to NEAs Korean

Radio Tamazuĵ

0330-0430 on 7315 ISS 250 kW / 138 deg to EaAf Juba Arabic

0330-0430 on 9600 ISS 250 kW / 138 deg to EaAf Juba Arabic

0330-0430 on 11650 MDC 250 kW / 340 deg to EaAf Juba Arabic

Radio Dabanga

0430-0500 on 7315 ISS 250 kW / 138 deg to EaAf Juba Arabic

0430-0500 on 9600 ISS 250 kW / 138 deg to EaAf Juba Arabic

0430-0500 on 13800 MDC 250 kW / 335 deg to EaAf Juba Arabic

Echo of Unification

0400-0600 on 3966vCNG 005 kW / non-dir to NEAs Korean

0400-0600 on 5905 PYO 100 kW / non-dir to NEAs Korean

0400-0600 on 6250 PYO 100 kW / non-dir to NEAs Korean

Radio (Ndarason) International

0500-0600 on 5960 ASC 250 kW / 065 deg to WeAf Kanuri

Dandal Kura Radio International

0500-0600 on 7220 ISS 100 kW / 167 deg to CeAf Kanuri

Dengî Welat

0500-0600 on 11530 ISS 250 kW / 090 deg to WeAs Kurdish

Voice of The People

0530-2330 on 3480 K-S 050 kW / non-dir to NEAs Korean

0530-2330 on 3910 K-S 050 kW / non-dir to NEAs Korean

0530-2330 on 3930 K-S 050 kW / non-dir to NEAs Korean

0530-2330 on 4450 K-S 050 kW / non-dir to NEAs Korean

0530-2330 on 6520 K-S 050 kW / non-dir to NEAs Korean

0530-2330 on 6600 K-S 050 kW / non-dir to NEAs Korean

Radio (Ndarason) International

0600-0700 on 7415 ASC 250 kW / 065 deg to WeAf Kanuri

Dandal Kura Radio International

0600-0700 on 11910 ISS 100 kW / 167 deg to CeAf Kanuri

Dengî Welat

0600-1500 on 11530 KCH 300 kW / 130 deg to WeAs Kurdish

Echo of Hope

0600-2400 on 3985 HWA 100 kW / non-dir to NEAs Korean  
0600-2400 on 4885 SEO 100 kW / non-dir to NEAs Korean  
0600-2400 on 5995 HWA 100 kW / non-dir to NEAs Korean  
0600-2400 on 6250 SEO 010 kW / 010 deg to NEAs Korean  
0600-2400 on 6350 HWA 100 kW / non-dir to NEAs Korean  
0600-2400 on 9100 SEO 010 kW / 010 deg to NEAs Korean

Radio (Ndarason) International

0700-0800 on 13810 WOF 250 kW / 165 deg to WeAf Kanuri

Voice of Kashmir

0730-0830 on 6100 DEL 250 kW / 134 deg to SoAs Kashmiri

Voice of Freedom

0900-1500 on 6045 HWA 010 kW / non-dir to NEAs Korean

Republic of Yemen Radio

0900-0700 on 11860 JED or RIY / unknown to N/ME Arabic

Suab Xaa Moo Zoo, Voice of Hope

1130-1200 on 7530 TSH 100 kW / 250 deg to SEAs Hmong

Echo of Unification

1200-1400 on 3966vCNG 005 kW / non-dir to NEAs Korean  
1200-1400 on 5905 PYO 100 kW / non-dir to NEAs Korean  
1200-1400 on 6250 PYO 100 kW / non-dir to NEAs Korean

Voice of Tibet

1200-1205 on 11646 DB 100 kW / 095 deg to EaAs Chinese  
1205-1230 on 11656 DB 100 kW / 095 deg to EaAs Chinese

Radio ERGO

1200-1300 on 17845 DHA 250 kW / 225 deg to EaAf Somali

Radio Que Me

1200-1230 on 9930 HBN 100 kW / 318 deg to EaAs Vietnamese Fri

Voice of Tibet

1230-1243 on 11606 DB 100 kW / 131 deg to CeAs Tibetan  
1243-1300 on 11601 DB 100 kW / 131 deg to CeAs Tibetan

National Unity Radio

1200-1500 on 9885 DB 100 kW / 071 deg to NEAs Korean

Radio Free North Korea

1200-1300 on 15630 TAC 100 kW / 076 deg to NEAs Korean

Voice of Tibet

1300-1330 on 11626 DB 100 kW / 095 deg to EaAs Chinese

Shiokaze Sea Breeze

1300-1330 on 7215 YAM 300 kW / 280 deg to NEAs Chinese Mon  
1300-1330 on 7215 YAM 300 kW / 280 deg to NEAs Japanese Tue  
1300-1330 on 7215 YAM 300 kW / 280 deg to NEAs Korean Wed  
1300-1330 on 7215 YAM 300 kW / 280 deg to NEAs English Thu  
1300-1330 on 7215 YAM 300 kW / 280 deg to NEAs Korean Fri  
1300-1330 on 7215 YAM 300 kW / 280 deg to NEAs Japanese Sat  
1300-1330 on 7215 YAM 300 kW / 280 deg to NEAs Korean Sun

Voice of Tibet

1300-1305 on 9888 DB 100 kW / 131 deg to CeAs Tibetan  
1305-1400 on 9887 DB 100 kW / 131 deg to CeAs Tibetan

Nippon no Kaze

1300-1330 on 9465 TSH 300 kW / 002 deg to NEAs Korean

1300-1330 on 9900 TSH 300 kW / 352 deg to NEAs Korean

1300-1330 on 9940 TSH 100 kW / 002 deg to NEAs Korean

Shiokaze Sea Breeze

1330-1400 on 7215 YAM 300 kW / 280 deg to NEAs Korean Mon

1330-1400 on 7215 YAM 300 kW / 280 deg to NEAs Japanese Tue

1330-1400 on 7215 YAM 300 kW / 280 deg to NEAs Korean Wed

1330-1400 on 7215 YAM 300 kW / 280 deg to NEAs English Thu

1330-1400 on 7215 YAM 300 kW / 280 deg to NEAs Korean Fri

1330-1400 on 7215 YAM 300 kW / 280 deg to NEAs Korean Sat

1330-1400 on 7215 YAM 300 kW / 280 deg to NEAs Japanese Sun

Voice of Wilderness

1330-1530 on 7625 TAC 100 kW / 070 deg to NEAs Korean

Furusato no Kaze

1330-1400 on 9705 TSH 300 kW / 002 deg to NEAs Japanese

1330-1400 on 9455 TSH 300 kW / 352 deg to NEAs Japanese

1330-1400 on 9950 TSH 100 kW / 002 deg to NEAs Japanese

Furusato no Kaze

1405-1435 on 6165 YAM 300 kW / 280 deg to NEAs Japanese

Voice of Kashmir

1430-1530 on 6030 DEL 100 kW / non-dir to SoAs Kashmiri

North Korea Reform Radio

1430-1530 on 7590 TAC 100 kW / 076 deg to NEAs Korean

Furusato no Kaze

1430-1500 on 9450 TSH 300 kW / 352 deg to NEAs Japanese

1430-1500 on 9560 TSH 300 kW / 002 deg to NEAs Japanese

1430-1500 on 9960 HBN 100 kW / 345 deg to NEAs Japanese

Living Water Ministry Broadcasting

1500-1600 on 7280 PUG 250 kW / 000 deg to NEAs Korean Tue-Thu

1500-1530 on 7280 PUG 250 kW / 000 deg to NEAs Korean Fri

Nippon no Kaze

1500-1530 on 7335 TSH 300 kW / 352 deg to NEAs Korean

1500-1530 on 9685 TSH 300 kW / 002 deg to NEAs Korean

1500-1530 on 9975 HBN 100 kW / 345 deg to NEAs Korean

Radio Tamazuji

1500-1530 on 15150 MDC 250 kW / 340 deg to EaAf Juba Arabic

1500-1530 on 15550 SMG 250 kW / 150 deg to EaAf Juba Arabic

Dengi Welat

1500-2100 on 11530 ISS 250 kW / 090 deg to WeAs Kurdish

Voice of Martyrs

1530-1600 on 7525 TAC 100 kW / 076 deg to NEAs Korean

Nippon no Kaze

1530-1600 on 7335 TSH 300 kW / 352 deg to NEAs Korean

1530-1600 on 9685 TSH 300 kW / 002 deg to NEAs Korean

1530-1600 on 9965 HBN 100 kW / 345 deg to NEAs Korean

Radio Dabanga

1530-1630 on 15150 MDC 250 kW / 340 deg to EaAf Juba Arabic

1530-1630 on 15550 ISS 250 kW / 138 deg to EaAf Juba Arabic  
 Shiokaze Sea Breeze  
 1600-1630 on 6165 YAM 300 kW / 280 deg to NEAs Chinese Mon  
 1600-1630 on 6165 YAM 300 kW / 280 deg to NEAs Japanese Tue  
 1600-1630 on 6165 YAM 300 kW / 280 deg to NEAs Korean Wed  
 1600-1630 on 6165 YAM 300 kW / 280 deg to NEAs English Thu  
 1600-1630 on 6165 YAM 300 kW / 280 deg to NEAs Korean Fri  
 1600-1630 on 6165 YAM 300 kW / 280 deg to NEAs Japanese Sat  
 1600-1630 on 6165 YAM 300 kW / 280 deg to NEAs Korean Sun  
 Furusato no Kaze  
 1600-1630 on 7335 TSH 300 kW / 352 deg to NEAs Japanese  
 1600-1630 on 9470 TSH 300 kW / 002 deg to NEAs Japanese  
 1600-1630 on 9960 HBN 100 kW / 345 deg to NEAs Japanese  
 Radio Ranginkaman/Radio Rainbow  
 1600-1630 on 7580 TAC 100 kW / 236 deg to WeAs Farsi Mon/Fri  
 Radio Xoriyo Ogaden  
 1600-1630 on 17770 ISS 500 kW / 130 deg to EaAf Somali Mon/Fri  
 1600-1630 on 17630 ISS 500 kW / 130 deg to EaAf Somali Tue/Sat  
 Oromo Voice Radio/Raadiyoo Sagalee Oromoo  
 1600-1630 on 17850 ISS 250 kW / 130 deg to EaAf Afan Oromo Mon/Wed/Sat  
 Radio Voice of Independent Oromiya  
 1600-1630 on 17850 ISS 250 kW / 130 deg to EaAf Oromo Sun  
 Voice of Freedom  
 1600-2000 on 6045 HWA 010 kW / non-dir to NEAs Korean  
 Shiokaze Sea Breeze  
 1630-1700 on 6165 YAM 300 kW / 280 deg to NEAs Korean Mon  
 1630-1700 on 6165 YAM 300 kW / 280 deg to NEAs Japanese Tue  
 1630-1700 on 6165 YAM 300 kW / 280 deg to NEAs Korean Wed  
 1630-1700 on 6165 YAM 300 kW / 280 deg to NEAs English Thu  
 1630-1700 on 6165 YAM 300 kW / 280 deg to NEAs Korean Fri  
 1630-1700 on 6165 YAM 300 kW / 280 deg to NEAs Korean Sat  
 1630-1700 on 6165 YAM 300 kW / 280 deg to NEAs Japanese Sun  
 Nippon no Kaze  
 1630-1700 on 7335 TSH 300 kW / 352 deg to NEAs Korean  
 Furusato no Kaze  
 1700-1730 on 6155 TSH 300 kW / 352 deg to NEAs Japanese  
 Voice of Oromo Liberation  
 1700-1730 on 15420 NAU 100 kW / 139 deg to EaAf Afan Oromo Wed/Fri/Sun  
 Dimtse Radio Erena  
 1700-1800 on 9720 SCB 050 kW / 195 deg to EaAf Tigrinya/Arabic M-F  
 1700-1800 on 9720 SCB 050 kW / 195 deg to EaAf Tigrinya Sat  
 1700-1800 on 9720 SCB 050 kW / 195 deg to EaAf Arabic Sun  
 Voice of Amara Radio  
 1700-1800 on 15360 ISS 250 kW / 120 deg to EaAf Amharic Sat-Mon/Wed  
 Voice of Oromo Liberation  
 1730-1800 on 15420 NAU 100 kW / 139 deg to EaAf Amharic Wed  
 Radio Nigeria Hausa Sce/Radio Na Gaskiya/Radio of Truth  
 1800-1900 on 15110 SCB 050 kW / 195 deg to WeAf Hausa

Dandal Kura Radio International  
 1800-2000 on 11830 ISS 100 kW / 167 deg to CeAf Kanuri  
 Radio (Ndarason) International  
 1800-2100 on 12050 ASC 250 kW / 065 deg to WeAf Kanuri  
 Radio Itahuka  
 1800-1900 on 15420 MDC 250 kW / 320 deg to SoAf Kirundi Sat  
 Lutheran World Federation Voice of Gospel (Sawtu Linjilia)  
 1830-1900 on 15315 ISS 500 kW / 180 deg to WCAf Fulfulde  
 North Korea Reform Radio  
 2030-2130 on 7500 TAC 100 kW / 076 deg to NEAs Korean  
 Voice of Freedom  
 2100-0200 on 6045 HWA 010 kW / non-dir to NEAs Korean  
 Echo of Unification  
 2200-2400 on 3966vCNG 005 kW / non-dir to NEAs Korean  
 2200-2400 on 5905 PYO 100 kW / non-dir to NEAs Korean  
 2200-2400 on 6250 PYO 100 kW / non-dir to NEAs Korean  
 Suab Xaa Moo Zoo, Voice of Hope  
 2230-2300 on 7530 TSH 100 kW / 250 deg to SEAs Hmong  
 Voice of Tibet  
 2300-2307 on 7483 DB 100 kW / 131 deg to CeAs Tibetan  
 2307-2330 on 7488 DB 100 kW / 131 deg to CeAs Tibetan  
 2330-2337 on 7493 DB 100 kW / 131 deg to CeAs Tibetan  
 2337-2400 on 7487 DB 100 kW / 131 deg to CeAs Tibetan

??????????? ?? Observer ? 3:58 PM (via DXLD)

\*\* INTERNATIONAL VACUUM. == SATELLITES == --- Television

55.5 W, Intel 34, 3.940-H/, 5422 Msps, BBC "APM" English discussion  
 with professional pianists about the invention & development of the  
 piano. Interesting! Then at 1951 iBig Ideasî with discussion of  
 replacing farm animals & sourcing meat (& dairy I would imagine but  
 they didn't mention that!) from elsewhere since agriculture is such a  
 driver of human caused climate change. Call me old-fashioned but I  
 can't get behind ëFranken-foodí. At 2000 into inewshourî. Again, a  
 good way to pass the time with chores! ;) 54% & steady QPSK2/MPEG2,  
 1930-2100 2/Jun -- Zichi MI2

97 W, Galaxy 19, 11.936-H/20000 Msps, Addis TV with English news  
 programme, items re iMaladministrationî in the government (this is a  
 good word!), trade between Turkey & Ethiopia & the Environmental  
 Protection Agency in Addis Ababa is spearheading an effort to plant  
 700 million tree seedlings. Huh. An EPA planting trees instead of  
 encouraging pollution in the name of ëderegulationí. Whoíd have thunk  
 it?

At 1550 into iFace of Addisî talx re ësafetynetí programme in the  
 city, then some ëtestimonialí statements from tourists in Ethiopia

talk-about what there is to do & see there. Into a Music show at the ToH with videos in Spanish, English & Arabic. Then Arabic talk show at 1615.

This is one of ELEVEN streams on this transponder:

| Svc | ID          | Station        | language            |
|-----|-------------|----------------|---------------------|
| 1   | TBN         | Russia         | Russian (Religious) |
| 135 | Jewelry TV  | English        | (shopping)          |
| 136 | QVC         | English        | (shopping)          |
| 137 | UA TV       | n/a            | (Blank screen)      |
| 138 | MTA-3       | Arabic         |                     |
| 139 | Marjaeyat 3 | Arabic         |                     |
| 140 | Salaadi TV  | Arabic         |                     |
| 141 | Rudaw SD    | NTSC           | Kurdish             |
| 143 | ME SAT TV   | Arabic         |                     |
| 144 | Addis TV    | English/Arabic |                     |
| 146 | TVR Intil   | NTSC           | Romanian            |

59% & steady, 1540-1615 2/Jun

(Kenneth Vito Zichi, Port Hope MI2, MARE Tipsheet 22 June via DXLD)

\*\* IRAN [non]. R. Ranginkaman/R. Rainbow via BaBcoCk Tashkent, June 22  
1600-1630 7580 TAC 100 kW / 236 deg WeAs Farsi Mon/Fri, fair to good  
[http://swldxbulgaria.blogspot.com/2018/06/radio-ranginkamanradio-rainbow-via\\_22.html](http://swldxbulgaria.blogspot.com/2018/06/radio-ranginkamanradio-rainbow-via_22.html)

(Ivo Ivanŭv, SWLDXBulgaria News, June 22, DX LISTENING DIGEST)

\*\* IRAN [non]. 12005, June 25 at 1413, presumed Farsi song at S8-S3  
from R. Farda, as scheduled 13-18 via Woofferton UK, better than usual  
(also 11-13 via Lampertheim, Germany)(Glenn Hauser, OK, DX LISTENING DIGEST)

\*\* IRELAND [non]. ROMANIA, Reception of IRRS EGR/UN Radio via ROU  
RadioCom, June 24  
0930-1200 9510 SAF 100 kW / 300 deg WeEu English Sun, very good:  
[http://swldxbulgaria.blogspot.com/2018/06/reception-of-irrs-egrun-radio-via-rou\\_24.html](http://swldxbulgaria.blogspot.com/2018/06/reception-of-irrs-egrun-radio-via-rou_24.html)

(Ivo Ivanŭv, SWLDXBulgaria News, June 23-24, DX LISTENING DIGEST)

\*\* KOREA NORTH. 15244.962, June 22 at 1320, VOK English to Europe is  
poor here but noticeably off-frequency, // much stronger 11710.0 with  
auto juche-jamming (Glenn Hauser, OK, DX LISTENING DIGEST)

\*\* KOREA NORTH [non]. UZBEKISTAN, Voice of Wilderness via Tashkent,  
June 20:  
1330-1530 on 7625 TAC 100 kW / 070 deg to NEAs Korean, fair  
[http://swldxbulgaria.blogspot.com/2018/06/reception-of-voice-of-wilderness-via\\_20.html](http://swldxbulgaria.blogspot.com/2018/06/reception-of-voice-of-wilderness-via_20.html)

(Ivo Ivanŭv, SWLDXBulgaria News, June 20, DX LISTENING DIGEST)

\*\* KOREA NORTH [non]. UZBEKISTAN, Frequency change of North Korea Reform Radio on June 25-26  
1430-1530 7580 TAC 100 kW / 076 deg NEAs Korean, ex 7590 from June 22  
<http://swldxbulgaria.blogspot.com/2018/06/frequency-change-of-north-korea-reform.html>  
(Ivo Ivanov, SWLDBulgaria News, June 25-26, WORLD OF RADIO 1936, DX LISTENING DIGEST)

\*\* KOREA SOUTH. Echo of Hope - Voice of Hope (VOH), with new development. In the past their 9100 frequency was always clear of N. Korea jamming, but on June 21, at 1043, founded them jammed, along with the normally jammed 3985, 5995, 6250 and 6350. No jamming, as usual, on 4885.

This was also confirmed by Chulsu (Seoul, South Korea), per YouTube posting today, which switched reception between jammed 9100 and unjammed 4885 -  
[https://www.youtube.com/watch?v=dRet0rY\\_btw&feature=youtu.be](https://www.youtube.com/watch?v=dRet0rY_btw&feature=youtu.be)

So now 4885 remains the only VOH frequency free of jamming or are their days of clear reception numbered? (Ron Howard, Ocean Beach [San Francisco], CA, EtUn E1, antenna: 100' long wire, WOR iog via DXLD)

Echo of Hope - Voice of Hope (VOH) --- Hi Glenn, June 22 - Interesting happenings with Echo of Hope - Voice of Hope (VOH). At 1105 noted 4885 was off the air; very unusual for them to be off; while all the other VOH frequencies were jammed by N. Korea (3985, 5995, 6250, 6350, and also 9100). Hiroyuki Komatsubara (Japan), at 0918, also found 4885 silent. Rechecking at 1148, I heard 4885 back on the air with their usual good signal and as is normally the case with no jamming at all.

4885 (not jammed) // 9100 (jammed), had singing station jingle at 1157, along with chimes and full ID in Korean; 1200 with "Onule Soshi" (Today's News), but then very surprised to hear the jamming on 9100 ended at 1200, becoming as good as 4885.

My 4885 kHz audio, 1157+ (singing station jingle, chimes & ID) at  
<http://goo.gl/an4gjA>

My 9100 kHz audio at 1159+ (jammed and clear ending of it with the news), at  
<http://goo.gl/jSJ16M>

(Ron Howard, Ocean Beach, San Francisco, June 22, WOR iog via WORLD OF RADIO 1936, DX LISTENING DIGEST)

\*\* KOREA SOUTH. "Mailbox" of the World Radio KBS from 06/17/2018

- Igor Kolke from Moscow writes: ... Drew, You notice that this year you have less frequently updated the verification card. If I have correctly calculated, since the beginning of 2018, KBS World listeners in their collections only one new QSL devoted to dogs was received. In the past, by June, the second or even the third original card. What is the reason for the lack of new verification cards, and when? Wait for new QSL and on what topics?

- Igor, thank you for the letter. As for the verification cards, unfortunately we have possibility to update them once a quarter, that is, we issue four cards in year. This year two cards were issued.

Source:

[http://world.kbs.co.kr/russian/program/program\\_happy.htm](http://world.kbs.co.kr/russian/program/program_happy.htm)

(Dmitry Kutuzov, Ryazan, Russia / "deneb-radio-dx", via QSL World, RUS-DX 24 June via DXLD)

KBS World Radio --- A new QSL card was received from the Russian edition of KBS World Radio from South Korea in response to the report for May 17, 2018. The letter was sent from Seoul on 1 June 2018. The theme of the card is the Inter-Korean Summit of 2018. Also in the envelope, traditionally put booklets with the station schedule. QSL here:

<http://freerutube.info/2018/06/08/qsl-kbs-world-radio-yuzhnaya-koreya-aprel-2018-goda/>

(Dmitry Elagin, Saratov, Russia / "deneb-radio-dx", via QSL World, RUS-DX 24 June via DXLD)

\*\* KOREA SOUTH. Reception of KBS World Radio on June 25 and 26:

1300-1400 on 9645 KIM 100 kW / 304 deg to CeAs Russian, fair

1400-1700 on 9785\*KIM 250 kW / 264 deg to SoAs English, fair

\*till 1530 on 9785 KUN 150 kW / 191 deg to SEAs Thai/Lao CRI!

<http://swldxbulgaria.blogspot.com/2018/06/reception-of-kbs-world-radio-on-june-25.html>

(Ivo Ivanův, SWLDBulgaria News, June 25-26, DX LISTENING DIGEST)

\*\* KURDISTAN [non]. Hi Glenn, When I get really stumped, I usually reach out to you for your great help. I can't find any schedule for A2018 for Radyoya Denge Kurdistane. Do you know if they are still on SW by any chance this summer? My logs of last summer show decent reception but into B2017, reception became almost nonexistent. Any help you can provide will be greatly appreciated, as always. Best regards, (Chris Campbell, Columbus, Ohio, June 25, DX LISTENING DIGEST)

Hi Chris, That is probably because you were searching on their old name. In Feb changed to Denge Welat. You will find a few entries for it in this clandestine schedule in time order, as of a week ago:

[or as reproduced above]

<http://swldxbulgaria.blogspot.com/2018/06/dx-re-mix-news-1078.html>

It's not as easy to hear as it used to be (Glenn to Chris, via DXLD)

\*\* KUWAIT. 15540/DRM, R Kuwait in (listed) Urdu, but never switched to English as sked for 1800 -- sounded like Arabic but I wouldn't swear to that & it was rather 'skippy'. In 3 hours of time, 1:55 of audio decoded so -- mostly not listenable. I tried SoDiRa & that worked a bit, but SDRuno & DReaM allowed more flexibility & provided a better decode. 1800-2100\* 16/Jun SDRplay +SDRuno +DReaM + randomwire (Kenneth Vito Zichi, Port Hope MI2, MARE Tipsheet 22 June via DXLD)

\*\* LIBERIA. 6050, ELWA Radio, Monrovia, 0620-0631, 24-06, religious songs and comments, English. Very weak. 15321 (Manuel M endez, Lugo, Spain, Logs in Reinante, Tecsun S-8800, cable antenna, 8 meters, WOR iog via DXLD)

\*\* MACEDONIA NORTHERN [and non]. Scotland v Skopje 810 kHz --- Last night at around 1930 UT I enjoyed listening to radio from the country which will soon be called Northern Macedonia. Either BBC Radio Scotland was off 810 kHz or was on reduced power or this was due to low sunspot quirks in the ionosphere. Anyway, the upshot was that easily listenable pleasant Balkan music replaced the usual Scottish dominance / mess found at nights on this frequency. Any ideas welcome (Dan Goldfarb, UK, June 21, bdx-news iog via DXLD)

As expected, tonight Scotland clearly audible with Skopje fair. This produces the traditional mess on 810 kHz. I suspect that Westerglen had an outage or maintenance break last night (Goldfarb, 2011 UT June 21, ibid.)

Just speculation, but I wonder if Skopje increased power on 810 kHz yesterday, as it was the day the country's name change was ratified with Greece? It does carry external service programmes in the evening on weekdays. Officially power is 100 kW re WRTH 2018. Plus of course it is already dark in Macedonia at 1930 UTC whereas sunset in central Scotland was not until 2105 UTC yesterday. 73, (Alan Pennington, ibid.)

Skopje, Yugoslavia, used to be a big megawatt, e.g. WRTH 1991. Wonder if they still have that capability? (Glenn Hauser, DX LISTENING DIGEST)

\*\* MALAYSIA. 11665, Wai FM at 1250 in Bahasa Malay, announcer said ibye bye , into song to time pip at 1300, into national news. - Good, checked 9835 and it was fair and in parallel, June 22 (Harold Sellers, Vernon, British Columbia. Listening in my car, on a quiet country road, with the CommRadio CR-1a and Sony AN-1 whip on car roof, WOR iog

via DXLD)

\*\* MEXICO. XEAA-1340 Mexicali --- The operator of the Mexicali Radio Museum blog tells me XEAA-1340 plans to return to the air soon. They have been off the air for months. 73 (Tim Hall, CA, June 22, ABDX y via DXLD)

\*\* MEXICO. RAYMIE'S MEXICO BEAT this week --- [including DTV = TDT]

Analysis: Chihuahua Dreamin'

The biggest story out of the June 6 IFT meeting was the approval of multiprogramming to Imagen TV, to be provided by the Chihuahua state government, on the Imagen TV muxes in Chihuahua Capital and Ciudad Juarez.

This is just the second time ever a public-on-commercial partnership has been green-lit (Intermedia and the SPR were the first, two years ago).

Chihuahua, Durango and Baja California share the distinction of being the only states not to own neither a radio station nor a television station. Some states have one or the other: Tamaulipas has radio, Guanajuato has TV, and Oaxaca (for instance) has both. But there has never been a public media system in Baja California, Chihuahua or Durango.

Not so coincidentally, these are all places that were prioritized for Canal Once transmitters. The fourth Canal Once repeater put on air was Tijuana, in 1999. The state government of Chihuahua brought in the IPN around 2007 to build transmitters in Chihuahua Capital, Cuauhtémoc and Delicias (no room for Juarez), while Durango and Gómez Palacio got Canal Once transmitters early in the 2010s.

In Chihuahua, the ascent of Javier Corral ó and the displacement of the PRI from the governor's mansion ó brought with them a reordering of the state's social communication priorities. Canal 28 XHABC, which was so doggedly anti-PRI for years, is enjoying the best inflow of state monies it's ever had, having acted the whole time as the closest the state got to a public TV broadcaster.

The state started printing a new official weekly newspaper, Cambio 16 (16 for the year of his election), within months of Corral taking office, and it also pays broadcasters to air its Puntualizando short segments on their stations. (The latter is on hiatus and the former reduced in size during election season.)

<http://entrelneas.com.mx/local/no-habra-puntualizando-y-reduciran-contenidos-de-cambio-16-durante-veda/>

The larger part of Corral's Chihuahua Dream is to get that state media apparatus onto radio and television. In March, reports appeared about 85 million pesos being spent to get a state TV station up and running after the elections, along with three radio stations in smaller areas.

The 2018 PABF includes a single-concession state network on VHF, with 11 transmitters (Chihuahua, Camargo, Cuauht moc, Delicias, Guachochi, Hidalgo del Parral, Jim nez, Ju rez, Nuevo Casas Grandes and Manuel Ojinaga), and FM radio stations for Nuevo Casas Grandes (A), Creel (A), Guachochi (B1) and Ojinaga (B1).

The state government needed to file the applications for those stations in April. But in the meantime, it is so anxious to get on the air that it will hang its hat on Imagen TV first. In fact, the March 14 note from El Diario de Chihuahua linked in the last paragraph said as much:

  A  adi  que la primera etapa se desarrollar  con el Grupo Imagen y el canal tendr  un alcance de cobertura en cuatro ciudades de la entidad, pero habr  otras que ser n incluidas paulatinamente.  

The Imagen route serves as a way to kickstart the new state network and secure coverage in the two most important cities while the state government gets the concessions and builds the transmitters. (It's worth noting Imagen TV has nine transmitters to be built in Chihuahua in the next 21 months.)

Of course, this raises questions of all sorts. Can Imagen Radio/TV be impartial in covering Javier Corral's Chihuahua state government, which is now a client of Grupo Imagen? Will this lead to similar deals with other TV station-less states, or even commercial entities, in the future? How long will it take for Chihuahua to build its own state network infrastructure?

If Corral is the media man that he says he is, he will build a strong public TV station and radio network. Chihuahua needs it, too; parts of the state does not enjoy access to public broadcasting over the air.

(Radio Universidad in Chihuahua Capital and Cuauht moc, XHUAR in Ju rez, and XETAR in Guachochi are the only public radio stations operating.)

But in Mexico, the temptation to do otherwise can be the hardest siren song to block out (Raymie Humbert, Ph nix AZ, June 22, WTFDA Forum via DXLD)

The National Electoral Institute has told Sebasti n Uc Y m to hold up.

The owner of XHECPQ, XHRT0 and XHYAM is running to return to city government in Felipe Carrillo Puerto with Por Quintana Roo al Frente (PAN-PRD-MC), and he was asked last week by the INE to step aside from his radio programming until after the election.  
<http://noticaribe.com.mx/2018/06/14/pide-ine-a-candidato-a-regidor-dejar-temporalmente-su-programa-de-radio/>

The INE says being on the air while running for office could result in an excessive and undue allocation of airtime. The action came on a request for an injunction by the PRI (Raymie, June 23, *ibid.*)

It's absolutely over in Guadalajara.

XHLC-FM 98.7 "Radio Absoluta", which has been operated by the L pez Camacho family since coming on air nearly 50 years ago, has fallen silent and gone to automated Spanish contemporary music, identifying as just "98.7".

If you're keeping score, that is the second such move this week. The other was the new XHJM-FM in Monterrey, which began the FM era on Monday by changing to the same thing. We know XHJM is going to be operated by MVS, and we also now know it will go FM Globo as the TuneIn page for XHJM has the new logo, branding and everything.  
<https://tunein.com/radio/FM-Globo-881-Monterrey-s306600/>

The XHLC-FM site no longer works and someone on their Facebook page reports the phone number is not working.

FM Globo, a Spanish contemporary-romantic format, is one of MVS's heritage brands, with many of its former stations now in the Exa FM network. In Guadalajara, FM Globo was on XHSC-FM 93.9, which was an MVS station until the dissolution of the Frecuencia Modulada Mexicana partnership with Grupo Imagen, between 1978 (at the latest) and 2003. Monterrey had FM Globo on XHSR-FM 97.3, which in 1998 was replaced with Pulsar as part of the FMM partnership.

In Mexico, just two FM Globo stations were left at the start of the week, XHPF-FM in Mexicali and XHARE-FM Ojinaga, Chihuahua.

As for the why, XHLC as an independent station not owned by a major group may not have been doing too hot. Some comments on Facebook seem to allude to late payments to station staff and social media managers. Listeners are mourning the demise of what they called one of the city's best radio stations (Raymie, June 23, *ibid.*)

XHGUA-FM in Guaymas has completed its Article 90 reserved band clear, and you can now go from Hermosillo to J amos and listen to Radio

Sonora on just one frequency.

<https://twitter.com/RadioSonora947/status/1009447037996290048>

While this clears the reserved band in Guaymas, the Sonora state government had applied for this change on March 4, 2011,

<http://www.ift.org.mx/sites/default/files/conocenos/pleno/sesiones/acuerdoliga/pift081117678.pdf>

before the passage of the LFTR. It had already moved the Ciudad Obregón and Jalmos transmitters to 94.7.

XHGUA-FM is a Class AA station broadcasting with 361 watts from a HAAT of 213.9 meters atop Cerro El Vigía, the primary broadcast site in Guaymas. Land was ceded on the mountain to the two companies that own the three IFT-4 stations for Guaymas, so XHPUAY 90.9 + XHPMAS 100.5, as well as XHPGYM 93.3, will transmit from here as well. The land sale to Medios y Editorial de Sonora occurred last month;

<http://www.boletinoficial.sonora.gob.mx/boletin/images/boletinesPdf/2018/06/2018CCI45II.pdf>

their property is adjacent to that owned by Sonora Emedios for XHPGYM (Raymie, June 24, *ibid.*)

Better late than never, especially when it's an IFT-4 station that slipped on under the radar.

XHPVTP-FM Villa de Tamazulapam del Progreso Oax.

[https://www.facebook.com/La-Picosita-927-179294402690514/?ref=py\\_c](https://www.facebook.com/La-Picosita-927-179294402690514/?ref=py_c)  
has been on the air since October!

<https://www.facebook.com/carroshowoficial/videos/1849436481740711/>

It's going by "La Picosita". The owner is Servicios Inmobiliarios Tierra Mojada, which also owns the cable system serving this municipality of 7,700.

[tagline:] Este programa es público, ajeno a cualquier partido político. Queda prohibido el uso para fines distintos a los establecidos en el programa (Raymie, June 24, *ibid.*)

\*\* MYANMAR. 6165, presumed Thazin Radio at 1121 with easy listening style of Burmese music. - Fair, June 22 (Harold Sellers, Vernon, British Columbia. Listening in my car, on a quiet country road, with the CommRadio CR-1a and Sony AN-1 whip on car roof, WOR iog via DXLD)

\*\* NETHERLANDS [non non]. KBC RADIO STOPS ON 1 July 2018 on AM 1602.

We are busy to return to the ether as soon as possible, via dab+. more news about dab+ follows soon.. We thank all listeners and those who have committed to KBC 1602! The streams just stay on air.

<http://www.kbcradio.nl/radio.html>

(Mighty KBC Facebook page 25 June, translated from Dutch)

(KBC was sharing 1602 Harlingen tx with Radio Seagull: KBC daytime and Seagull evening/overnight and licenced until 1 Sept 2022 re <http://radio-tv-nederland.nl/am/am.html> - Seagull also daytime on 747 kHz) (Alan Pennington, England, June 25, bdx-news iog via DXLD)

\*\* NEW ZEALAND. 13840, R New Zealand Natl with YL talx & Coatsworth & Wolfish music, Euro-dance-beat music & other stuff. Time/check at 0233 as i27 minutes to the hour into c/w-pop oldie Hi-Heel Sneakers & talk re WWII, xenophobia during times of war & collecting shoes, etc. Most odd. I have NO idea how these things are related to each other. If there was a theme to this show, it evaded me. ToH news & weather after pips & t/c, including mention of a sports figure in NZ who wandered into the wrong house & was subsequently released after questioning after the police determined it was an honest mistake. They added he was not drunk or otherwise intoxicated! 45444 the noise filter function of this new software makes for some interesting artifacts & almost sounds like Sirius low-bit data rate audio the way it rings! 0230-0305 3/June, SDRplay +SoDiRa +randomwire (Kenneth Vito Zichi, Port Hope MI2, MARE Tipsheet 22 June via DXLD)

11724.978, June 21 at 0546, RNZI noticeably off-frequency, and unlike usually, much weaker than adjacent 11730 NHK French via France (which is modulating OK).

11725, June 22 at 0626, RNZI is off! Looking elsewhere: not 13840, not 9765, not 9700; finally found at 0635 on 7425, which would be the next frequency, but on too early. No, per online sked, this is the first day of an intentional change:

0359-0558 11725 Pacific Daily from 22 June

0559-1058 7425 Pacific Daily from 22 June

And still no mention of any DRM. I duly measure the offness of 7425: 7424.987. Is discussion of US Civil War, fundamentalism. 7425- still going about the same offset next check at 1152. 5980- is still starting at \*1259, measured 5979.992, 1300:00 accurate timesignal and news (Glenn Hauser, OK, WORLD OF RADIO 1936, DX LISTENING DIGEST)

\*\* NICARAGUA. RADIO NICARAGUA ES INCENDIADA EN MEDIO DE PROTESTAS CONTRA EL GOBIERNO DE DANIEL ORTEGA 13/06/2018

[with \*many\* embedded linx in original:]

<https://gruporadioescuchaargentino.wordpress.com/2018/06/13/radio-nicaragua-es-incendiada-en-medio-de-protestas-contra-el-gobierno-de-daniel-ortega/>

La sede en Managua de Radio Nicaragua, emisora estatal del país centroamericano, fue atacada y destruida por un incendio en la

mañana del 8 de junio, según informó la prensa local.

Resultado de imagen para Radio Nicaragua [captura]

El ataque se suma a otros similares contra medios de comunicación en el país que han ocurrido desde el 19 de abril, cuando iniciaron las protestas contra el gobierno del presidente Daniel Ortega.

Según un artículo publicado en el sitio de la radio, un grupo de personas armadas invadió las instalaciones de la radio alrededor de las 4 de la mañana de Managua, capital del país, realizando disparos. Los tres empleados que estaban en la radio en ese momento y que lograron sobrevivir dijeron que los invasores robaron computadores y equipos, y luego usaron cocteles molotov para encender el edificio.

Radio Nicaragua acusa a un grupo delincuencia organizado que opera en las instalaciones de la UNAN Managua de ser los perpetradores del ataque. La Universidad Nacional Autónoma de Nicaragua (UNAN) está a unas cuadras de la radio y está ocupada por estudiantes que se oponen al gobierno de Ortega, según El Universal. Sin embargo, los estudiantes negaron esta acusación, según Vos TV.

De acuerdo con La Prensa, en la misma mañana del incendio, un grupo de paramilitares partidarios del gobierno pasó disparando frente a una barricada erigida por los estudiantes en los alrededores de la UNAN. Dos estudiantes fueron heridos por los disparos y uno de ellos, de 19 años, murió camino al hospital.

El Centro Nicaragüense de Derechos Humanos (Cenidh) confirmó la muerte del estudiante y dijo que el saldo de muertos en protestas desde el 19 de abril llegó a 135, informó La Prensa. Uno de ellos es el periodista Ángel Gahona, muerto por un disparo en la cabeza mientras transmitía una protesta en vivo por Facebook el 21 de abril, en Bluefields, en el este del país.

Radio Nicaragua fue fundada en 1961, según una nota de la emisora, y las fotos publicadas dan cuenta de la destrucción casi completa de las instalaciones y de sus equipos.

En los últimos dos meses también han sido atacados otros medios de comunicación. Un grupo de personas armadas con bombas caseras y morteros atacaron el estudio de Radio Darío, el 20 de abril; la sede de Tu Nueva Radio Ya, el 29 de mayo; y la redacción del canal 100% Noticias, el 30 de mayo.

Amnistía Internacional, la Sociedad Interamericana de Prensa (SIP) y la Fundación Gabriel García Márquez para el Nuevo Periodismo Iberoamericano (FNPI), entre otras organizaciones condenaron la

violencia en el país en las últimas semanas.  
<https://knightcenter.utexas.edu>  
(via GRA blog via WORLD OF RADIO 1936, DXLD)

INCENDIAN MÁS EMISORAS DE RADIO EN NICARAGUA --- 23/06/2018  
<https://gruporadioescuchaargentino.wordpress.com/2018/06/23/incendian-mas-emisoras-de-radio-en-nicaragua/>

Grupos violentos desconocidos incendiaron anoche las oficinas de la empresa BLK Nicaragua ubicado en las Colinas, a la vez de prenderle fuego a la emisora privada Radio Activa

Resultado de imagen para radio activa, nicaragua [captura]

El grupo atacó a un guarda de seguridad al que despojaron de su arma, saquearon el lugar y después le prendieron fuego con gasolina. El siniestro fue sofocado por los bomberos de Las Colinas y del mercado Roberto Huembes.

Grupo violentos atacaron la emisora Radio Stereo Yes en la ciudad de Matagalpa, informó hoy el propietario del medio de comunicación. Individuos encapuchados vandalizaron las instalaciones de la emisora, donde también se encuentra el canal Yes TV y otras empresas radiales, según afirmó Carlos Mendoza.

Resultado de imagen para Radio Stereo Yes [captura]

Cerca de la medianoche exigieron la salida del personal, ante la amenaza de prenderle fuego a la sede, se allanó y quebraron todo el vidrio de la infraestructura, la intención era quemarla. El locutor tuvo que pasarse a donde el vecino, pero gracias a Dios no pudieron botar el portón, pero sí hicieron daños y tiraron bombas molotov, denunció Mendoza. <http://www.informepastran.com/>  
(via GRA blog via WORLD OF RADIO 1936, DXLD)

\*\* NIGERIA. 7255-, June 24 at 0607, no signal from VON; it was there 24 hours earlier as I tuned past (Glenn Hauser, OK, DX LISTENING DIGEST)

\*\* NIGERIA [non]. Radio International via Ascension & Woofferton on June 20-21  
1800-2100 12050 ASC 250 kW / 065 deg to WeAf Kanuri, very good signal  
0700-0800 13810 WOF 250 kW / 165 deg to WeAf French/Kanuri, fair/good

But from 0738 UT has repeatedly announced Dandal Kura Radio International [see also CHAD [non]]  
<http://swldxbulgaria.blogspot.com/2018/06/radio-international-via-ascension.html>  
(Ivo Ivanov, SWLDBulgaria News, June 20-21, DX LISTENING DIGEST)

\*\* NORTH AMERICA. VOAC (tentative) --- 6776-CW + USB, 20 June 2018, 2151-2339\*. Vehemently anti-Trump Administration CW transmission with underlying USB transmission of what sounded like voices wailing. It was a loop that closed with "DE VOAC K." (I don't read code and the power of CW to be received so well was a revelation. My solution to not reading code was to use CW Decoder 3.51, MRP4066, and fldigi 4.0.16. None produced more than fragments of text. All agreed on the speed, about 22 WPM. I have read that CW programs have difficulty decoding because of small variations in the operator's hand, but I wonder if the piggy-backed USB transmission also confused them.) CW: 45444. USB: not as good (Ron Hunsicker, 1238 Cleveland Avenue, Wyomissing, PA, FRW via WORLD OF RADIO 1936, DXLD)

\*\* NORTH AMERICA. 7470, USA (religious pirate), R. YHWH at 0330 in progress at tune-in in, confirmed on the air. The usual monologue and personality. All went off Suddenly at 0429 in mid-sentence. Steady signal - Good level. June 20 (Rick Barton, heard in Central Arizona, Satellit 5000 & 750, RS SW-2000629, ATS-909X with various outdoor wires and extended outdoor Slinky. 73 and Good Listening....! -rb, DX LISTENING DIGEST)

\*\* NORTH AMERICA. [Re 18-25 under USA:] Note re PIRATE Act ---  
Unlicensed SW stations are not included in the official definition of pirate stations in Section 511(g)(1).

<https://www.congress.gov/bill/115th-congress/house-bill/5709/text>

Of course this does not mean that unlicensed SW stations are legal. But they are not within the scope of congressional attention now being paid to pirates. Unlicensed SW stations also seem to be conspicuously absent in the recent flurry of FCC enforcement actions targeting FM pirates (Benn Kobb, DC, June 25, WORLD OF RADIO 1936, DX LISTENING DIGEST) Viz.:

``The term *pirate radio broadcasting* means the transmission of communications on spectrum frequencies between 535 to 1705 kHz or 87.7 to 108 MHz without a license issued by the Federal Communications Commission, but does not include unlicensed operations in compliance with part 15 of title 47, Code of Federal Regulations.`` (via gh, WORLD OF RADIO 1936, DXLD)

\*\* OKLAHOMA. 90.5, June 22 at 1838 UT, there is Es all over us, but no DX heard here, only notice that local KGVV is *\*still/again\** suffering from split-second modulation dropouts, at the rate of 20x per minute, like previously heard June 17. Not happening on // local translator 98.5, nor on originator 88.7 KLVV Ponca City (last log said 88.7 was not //, but I now think that must have been some other station CCI on

88.7) (Glenn Hauser, OK, DX LISTENING DIGEST)

\*\* OKLAHOMA. Minor level 1 or 2 tropo around central Oklahoma visiblizes DTV RF 42, KBZC-LD OKC, June 20 at 1430 UT, signal bar way into the Good range, with all 7 subchannels decoding perfectly for a few more minutes. And all of them are PSIP labeled the same KBZC-LD. The top three are home shopping crap.

RF 48, KOCY-LP, the last remaining analog around here, should also be snowily/confettily visible under such conditions, but no sign of it. May finally be off permanently, or temporarily as frequently before. Or the tropo duct is extremely localized, propagating one OKC low-power and not another?

BTW, RF 23, KSBI ``52`` is still on lower power, not decoding even while KBZC succeeds (Glenn Hauser, OK, DX LISTENING DIGEST)

\*\* PAPUA NEW GUINEA. 3260, NBC Madang (Maus Blong Garamut), on June 21, noted 1210\*, sudden cut off in mid-song; not as strong today as recently heard.

3260, NBC Madang (Maus Blong Garamut), on June 23 (Saturday), noted at 1201 with EZL song; promo for "NBC Radio"; suddenly cut off at 1203\*; very decent reception (Ron Howard, Ocean Beach [San Francisco], CA, EtÛn E1, antenna: 100' long wire, WOR iog via DXLD)

\*\* PERU. 1610 kHz, Radio El Sol - Arequipa / 2 Mini Encontro DX de Mato Grosso: M'sicas tradicional Peruana (única emissora do Peru na X Band) 0008 UT 19 Junho 2018  
<https://youtu.be/Gl0vXyVrdBg>  
RX: Yaesu FRG 8800; Antena: Beverage simples (Daniel Wylllyans, Sítio Estrela do Araguaia, Nova Xavantina MT, Brasil, Hard-Core-DX mailing list via DXLD)

\*\* PERU. 4774.90, Radio Tarma in Spanish, 06-07-2018, 0121-0203, continuous LA ballads music and songs, with man DJ talk at times, announcement (no much clear), (clear IDs only in streaming) final unclear announcements, and slow music till 0203 then lite carrier on only, in // [www.radiotarma.com](http://www.radiotarma.com) in streaming (m'sica tropical variada), heard better in USB, strong statics QRN, moderate QRM utes, poor/almost fair

[+ [same]] 06-10-2018, 0119-0136, m'sica tropical variada program, with same format as my log above (06-07-2018), heard in SSB with inter filter, strong QRN statics, very poor/barely audible, with sound on and off at times, in // <http://www.radiotarma.com> streaming

[+] 06-12-2018, 0123-0146, m'sica tropical variada with miscellanea of

LA ballads, women chorus announcement (unclear twice at 0125, mentioning Radio.....), man announcement 0132-0133 (unclear on this frequency), man brief excited announcement (no much clear) but with clear ID (Radio Tarma!) at 0142, heard better in USB, QRM by some utes almost nulled with inter filter, moderate QRM and fast QSB, poor/almost fair --- in // www.radiotarma.com in streaming.

[+] 06-13-2018. Checked at 0000 UT with lite carrier on, re-checked from 0039 barely audible with strong QRM statics --- on 06-16-2018 from about 0100 only a carrier on and unclear sound on and off barely audible for few seconds at times, with QRM strong statics.

[+] 06-20-2018, 0027-0037, man DJ talk (unclear) and LA ballads for m'sica tropical variada program, man brief excited announcement at 0031, heard better in USB to avoid het, QRM lite ute, moderate QRM rustle statics, poor --- in // www.radiotarma.com in streaming.

[+] 06-22-2018, 0137-0151, music program, with ballads and man DJ talk, unclear announcements (also over music), heard only in USB with inter filter to null strong carrier on splat, QRM lite ute at times, strong QRM statics, barely audible / poor --- // www.radiotarma.com in streaming (m'sica tropical variada) (Gianni Serra, Roma, Italy).  
Equipment: JRC NRD 525 receiver; Alpha Delta DX-SWL Sloper-S antenna; RG 8 mini coaxial cable; JPS NIR 12 Noise & Interference Reducer-Dual DSP outboard audio filter; JRC NVA 319 external loudspeaker unit; Sony MDR-101 stereo headphones; Oregon Scientific RM 912 radio controlled clock -- NASWA Flashsheet June 24 via DXLD)

\*\* PHILIPPINES. Reception of Radio Pilipinas PBS via Tinang, June 22:  
1730-1930 on 9910 PHT 250 kW / 283 deg to N&ME Filipino, very good  
1730-1930 on 12120 PHT 250 kW / 283 deg to N&ME Filipino, very good  
1730-1930 on 15190 PHT 250 kW / 283 deg to N&ME Filipino, very good  
\*from 1745 on 9910 BGL 500 kW / 240 deg to EaAf Eng All India Radio  
[http://swldxbulgaria.blogspot.com/2018/06/reception-of-radio-pilipinas-pbs-via\\_22.html](http://swldxbulgaria.blogspot.com/2018/06/reception-of-radio-pilipinas-pbs-via_22.html)  
(Ivo Ivanŭv, SWLDBulgaria News, June 22, DX LISTENING DIGEST)

\*\* PHILIPPINES [and non]. 15355, June 21 at 2313, S9+10 of music and Tagalog? talk. It's RVA in Filipino at 2300-2327 per Aoki/NDXC. Among the SSOBs, rivaled only at same levels by 15730 Cuba in Kriyol, and 15570 Chinese, i.e. CNR1 jamming vs RFA via Saipan this hour only (Glenn Hauser, OK, WORLD OF RADIO 1936, DX LISTENING DIGEST)

Reception of Radio Veritas Asia RVA on June 20:  
1400-1427 on 11880 PUG 250 kW / 300 deg to SoAs Bengali, good  
Wrong frequency announcement: 11870 kHz, instead of 11880 kHz

From June 30 Radio Veritas Asia will close its SW broadcasts!

<http://swldxbulgaria.blogspot.com/2018/06/reception-of-radio-veritas-asia-rva-on.html>

(Ivo IvanŮv, SWLDXBulgaria News, June 20, DX LISTENING DIGEST)

Very good signal of Radio Veritas Asia, June 25

1430-1457 on 9610 PUG 250 kW / 300 deg to SoAs Urdu Sce and

1500-1557 on 11675 PUG 250 kW / 300 deg to N/ME Filipino Sce

From June 30 Radio Veritas Asia will close its SW broadcasts

[http://swldxbulgaria.blogspot.com/2018/06/very-good-signal-of-radio-veritas-asia\\_26.html](http://swldxbulgaria.blogspot.com/2018/06/very-good-signal-of-radio-veritas-asia_26.html)

(Ivo IvanŮv, SWLDXBulgaria News, June 25-26, WORLD OF RADIO 1936, DX LISTENING DIGEST)

#### SHORTWAVE RADIO VERITAS ASIA CLOSING

According to the best available information, shortwave Radio Veritas Asia in the Philippines is closing at the end of this month, Saturday June 30. Just in case this information proves to be correct, we would recommend that you tune in to shortwave Radio Veritas Asia some time during this new week, and that you send to them a final reception report. Their QSL card would then become a permanent reminder to you of another important and well known shortwave station that now lies silent.

In this our DX program Wavescan, we plan to tell the story of Radio Veritas in two episodes. This week we plan to focus on the interesting story of their mediumwave facilities, and next week we plan to focus on the equally interesting story of their shortwave facilities.

Let's go back now to the very beginning, the era immediately after the end of the tragic Pacific War. The Battle of Manila, between the Japanese occupation forces and the incoming American forces, began on February 3, 1945 and it lasted for exactly one month, to the very day.

During that time, the fighting was so intense that almost every major building in Manila was either destroyed or seriously damaged, and the death toll for American service personnel, Japanese service personnel, and Filipino citizens was counted by the thousands. The city was finally successfully claimed by the American army on March 3 (1945).

Soon afterwards, Manila experienced a rapid redevelopment and rebuilding program for a city that had been massively damaged and destroyed in both 1942 and again in 1945. In the middle of the following year, the Philippines were granted independence from the United States, on July 4, 1946.

In the midst of all of these rapidly changing events, movements were

under way for the restoration of the radio scene in the Philippine Islands. Old radio broadcasting stations were re-established and new stations were installed; old callsigns were revived and new callsigns began to make a sudden appearance.

One of the very first new stations in Manila to suddenly make an appearance on the mediumwave dial of the radio receiver was inaugurated on May 15, 1947 under a new callsign KZOK. This new KZOK was owned and operated by the Philippine Broadcasting Corporation as it was then, and it was a sister station to the better known KZPI.

Radio station KZOK was on the air with a homemade 1 kW transmitter operating on the mediumwave frequency 860 kHz. Studios were located on the 4th Floor of the Ramon Roces Building in Soler Street in downtown Manila, and the transmitter was located in Quezon City. Soon afterwards, the studios were re-installed on the 5th and 6th floors of the Pilipinas Building at Plaza Moraga.

More changes came on January 1, 1949, including a new callsign under the new callsign sequence for the Philippines, and KZOK became DZAB. A new studio location found the station at Town House on Dewey Boulevard, though the ownership under all of those recent changes was still retained by the Philippine Broadcasting Corporation.

However two years later in 1951, the station was taken over by the Catholic operated Santo Tomas University, where it spoke for the university, and also for the Catholic church. The new callsign at this new location in the Main Building at the university, was DZST, with the D indicating the Philippines, the Z indicating the Luzon area, and the ST indicating Santo Tomas, the name of the university.

In 1958, a high level committee meeting at the university decided in favor of establishing a network of Catholic radio broadcasting stations in the Philippines, and 8 years later (1966) a new organization was born under the title Radio Veritas. (Veritas is a Latin word meaning truth.)

Two years later again, Radio Veritas was inaugurated at the university with new equipment, still at 1 kW and still on 860 kHz, though with a new callsign DZRV, with the RV now indicating Radio Veritas. The auspicious date for the inauguration of this new station was April 11, 1969.

In the meantime, plans were underway for the construction of a 50 kW mediumwave transmitter station in what was a rice field on MacArthur Highway near Malolos, some 20 miles northwest of Manila. At this new location away from Manila itself, another new callsign was granted, not beginning with DZ but rather with DW. The new callsign, DWRV,

indicated quite clearly Radio Veritas. However, the program studios still remained in Quezon City, Manila.

During the violent political crisis in the Philippines in the early part of the year 1986, Radio Veritas at Malolos was raided twice. On Sunday and Monday February 23 and 24, insurgents drove into the station and damaged and destroyed the electronic equipment and antenna systems, though none of the station personnel were harmed.

It is reported that all five transmitters were destroyed during that double attack. It is known that there were three shortwave transmitters in the building, and we would suggest that the other two transmitters were the main 50 kW mediumwave unit and also a standby mediumwave unit.

The program stream from the studios in Quezon City was then fed to the Radio Veritas auxiliary transmitter, also in Quezon City, but after just 15 hours on air, this unit malfunctioned. News and information from Radio Veritas was then fed from an undisclosed location to another mediumwave station in Manila, DZRJ with 5 kW on 810 kHz. The damaged 50 kW mediumwave transmitter at Radio Veritas Malolos was soon restored, though the shortwave facility was subsequently rebuilt at another location.

However, due to financial problems, mediumwave Radio Veritas was taken over on May 17, 1991 by the Catholic subsidiary organization, the Global Broadcasting System, as a commercial operation with a new callsign DZNN. In 2008, a new 50 kW mediumwave facility was constructed at a new location, Barangay Taliptip, Malolos, a shared site with another mediumwave station DZXL.

The old transmitter building on MacArthur Highway Malolos then served as an educational facility for a few years, and also as the home for an FM station. However since 2011, this solid old building, still with its bullet holes and faded Radio Veritas sign, has lain abandoned, though current information would suggest that there is a serious attempt to have this historic old building restored and declared as a National Heritage Site.

Next week, the shortwave scene for Radio Veritas Asia (Adrian Peterson, Indianapolis IN, script for AWR Wavescan June 24 via dXLD)

\*\* ROMANIA. 9730, R. Romania Int. 6/18, 0005-0020, in English. The History Show reviews how ideological differences between Romania and the (then) newly formed West Germany actually helped the two nations to develop workable relationships in compromise; notably, political and economic ties that lasted for years. With AudN, SIO 211

(+) 6/19, 0005-0020; Business Club discusses negotiating Brexit from the European Union's perspective -- in part two of this segment, the issue of the UK leaving the EU is shown to be an unprecedented challenge for the European community. W/AudN, SIO 211

(+) 6/20, 0005-0020; this edition of "Society Today" speaks of the advancements made by women in the IT field. SIO 312

(+) 6/21, 0010-0020; Traveler's Guide introduces the tourism activity in the northern county of Bistrita Nasaud, an area that has well preserved traditions and crafts. W/AudN SIO 211

(+) 6/22, 0005-0020; "The Future Starts Today" topic reveals that significant changes in the security of the Black Sea region have taken place in recent years; also, NATO closely monitors the situation while acting to maintain a certain balance. 32132

(+) 6/23, 0030-0045; "All That Jazz" featured a Romanian accordion player with a jazz ensemble, and "Through The Looking Glass" highlighted an art instructor. W/AudN, once again SIO 211. Dismal (Ronald Sives, Easton, PA, Equipment: Eton Field Radio; Princeton Sky Wire, NASWA Flashsheet June 24 via DXLD) See also IRELAND [non]

\*\* ROMANIA [and non]. 11700, June 21 at 2304, RRI in Spanish is atop CCI from RHC, also Spanish. 11700 RHC is never a bigsig at this angle, unlike many of the others. This collision has been ongoing all A-18, one of Arnie's worst frequency management blunders; but each station has //s so they can expend 11700. RRI is in the clear on 11800, and her stilted Spanish even audible on weaker 13730 at 2311 (Glenn Hauser, OK, DX LISTENING DIGEST) However, perfect RRI reception:

ROM NIA: 11700. Jun 20, 2018. 2320-2332, Radio Rumania Internacional, Tsiganechti-ROU, em Espanhol. Locutora fala sobre a presença da mulher romena em especialidades como a Física e na área digital (Computação), ocupando os últimos lugares dentro da Europa, no programa "Sociedad"; 2026 Espaço dedicado à cultura e um concerto ao piano; 2332 Valério apresenta o programa "Vale la pena visitar Rumania" - uma entrevista com um cidadão espanhol. Excelente recepção por aqui, 55555. (José Ronaldo Xavier (JRX), Cabedelo-Paraíba, Brasil (Receptores: Sony SW100 & Tecsun S-2000), WOR iog via DX LISTENING DIGEST)

11910, June 25 at 1414, folk music and stilted German announcement, S7-S4 from RRI during this hour from Tsiganeshti site, also USward beyond. Note to editors: unless you can successfully produce in all fonts a comma/cedilla under the first T and the S to properly render the name, please don't ``correct`` to ``Tiganesti`` my correct phonetic transcription (Glenn Hauser, OK, DX LISTENING DIGEST)

\*\* RUSSIA [and non]. Football Worldcup in Russia, tuning around the 40 and 80 m hambands in SSB, lots of excitement heard from stations in Russia + special-event Worldcup specials. For which I must add are well-behaved with no QRM, etc. Worldcup specials also heard from Danmark such as 5Q8FWC. My radio, Tecsun PL-660 using just the telescopic whip. Also excellent coverage of the Worldcup on BBC Radio 5, 909 and 693, etc., etc. (Jon Collins, Birmingham UK, 1755 UT June 21, DX LISTENING DIGEST)

\*\* RUSSIA. HISTORY OF DX AND RADIO =====

RADIOPIRATES. (Ending, beginning in the last issue)

Historical for Radio turpency was the 1980th year. The year when, instead of the promised Communism in Moscow, the Olympics was held. Seeing the barrenness of repressive measures, the authorities decided to make a "curtsey" - to return the radio range "160 meters", hoping thus to permanently get rid of radio-bullying. We counted on the fact that the Free Operators were en masse, racing, rushing to register their transmitters. This is indicated at least by the fact that for radio operators of the newly opened range a special series of callsigns, beginning with EZ, was singled out. They were afraid that the callsigns would not suffice. But in life everything turned out completely differently than the authorities planned! Some, of course, left, but the bulk refused to "become operational". Everyone had their own reasons and everyone made a decision on their own.

In Russia, many simply did not want to change their callsign - the name ("Monday", "Star", "Serpentine") on the callsign - number (EZ of some kind). They did not want to give up the usual radio freedom, to reduce the power of their kilowatt transmitters to the allowed 5 watts. Yes, and the issuance of a permit remained the same tedious and long work. In Ukraine, in the farms, where every second couple had at least a transmitting console, and his grandfather a machine gun in the hayloft and a bucket of cartridges in a tub of fat, mobile radio control points with radio stations of the "160 meter" range traveled and through the loudspeakers "demonstrated" radio communication.

People began to slowly pull themselves up and ask. In response: "Bring the passport, right here you will issue a permit and you are free." Not many people took it! The guys said: "We are free Cossacks and do not yield to the censuses". Although everything was for real. All-Union Radio-Bully Gulyai-Field did not want to give up freedom! It became clear that the authorities lost the "radio-hooligan war". It can be said that by the 1980s, a new type of radio amateur Radiohooligan was finally formed and took its place on the air.

The 1990s brought with them not only the collapse of the USSR, but

also gave new opportunities to radio-hooliganism. For example - the opportunity to buy military and imported HF radio stations. These years are characterized by the fact that the Free Operators have mastered not only the new ranges (some sections of the KV), but also their previously almost unused types of modulation, such as SSB. And also open in these years the C-band (27 MHz). Instead of a prefix to the grandmother's receiver, modern transistors and microchips that have become more available became available.

The radio-bully of the 21st century is no longer an "organ-grinder" of the 60s and 70s. He is much better "armed" technically. Although in most cases the quality and perfection of the equipment is determined by those means that are not a pity to spend for the sake of a hobby. At the same frequency, people with different possibilities can meet: someone works on an imported transceiver, bought for a couple of thousand dollars, someone on a military radio station, who still has a primitive set-top box on one lamp - the limit of perfection, and someone on the homemade is not inferior in its characteristics, neither imported nor military equipment.

Along with the "new Russians", "new radiohoolans" appeared, the main kind of "activity" of which is to foul on the air and intentionally interfere with radio communications. Especially this affects the range of CB.

As the old-timers of the "free ranges" believe (radiohooligans who started in the 60s and 70s), the behavior on the air should not roll down to the level of foul language, as no one will gain authority, but on the contrary lose all respect. Let's recall the "organ-grinders" - their music programs listened with pleasure! And even sometimes the abusive songs they broadcast to the accordion did not cause much annoyance among the people, but rather vice versa. What can not be said about the activities of some, I will highlight SOME of the "new radio bully".

Discussing the same technical problems of building the same antennas and amplifiers shows the literacy of each radio bully, it helps in development. Unlike amateur bands, where all discussions are limited, there can be hours spent talking about the prices of potatoes, politics, (now can), religions and all sorts of other topics that the radio regulations impose taboos. And yet the radio pirate is mostly the same radio amateur who does not want to obey certain rules that seem to him to violate freedom and restrict creativity. Radio amateurs, as the radio pirates with whom I managed to communicate, believe, should not be restricted by official instructions, otherwise this is no longer a hobby. I also note that this is the opinion of people who have a choice - to work on amateur bands or become radio pirates, people of different age regions and social groups.

Radio-hooligans have neither leaders nor hierarchies. How many exist - are always persecuted, but from this they still do not disappear! There is in this and some romance, and hence attractiveness. Thanks to this movement without a unifying center and clear rules is still replenished and lives.

Perhaps the only restriction in this hobby is the adherence to the general norms of morality and some established rules for decades. This Radio-Pirate will never be under the call sign such as "Maple" or "Barmalej" to work on the amateur band and even more to give a call at the frequency of rescue service.

Currently, there are almost no measures to identify illegal transmitters operating on medium and short waves: in the fleet these frequencies are used extremely rarely, the agricultural SV / HF communication system does not exist exactly as much as the USSR itself, and radio monitoring is busy more revealing unauthorized telephone extensions working in VHF.

Abroad, there is also such a concept - a radio pirate, but they, in contrast to our radio-bullies, focus on broadcasting, rather than radio exchange. It should be noted that in Europe and the US, radio pianos have more sophisticated equipment, mainly proprietary amateur and professional transceivers. Many of them are familiar and periodically communicate via e-mail. There are also known joint events: for example, operators of such stations agree among themselves and, at some pre-selected frequency, turn on to the transmission one by one, they broadcast modern music as a rule, one station works for two or three hours, after which another one is picked up . And the whole day at this frequency you can hear pirate stations!

Frequencies and ranges of fans of "free radio"

1600-1810 kHz is the "pioneer" range, only AM works. The best range for beginners. You can take a household receiver.

2000-2200 kHz - "150m" - exotic. Here little [few?] people work.

2400-2600 kHz - "120m" - there are already a lot of people working. Only AM mode.

2900-3300 kHz - "triple" or "range of 100m". At these frequencies, the bulk of fans from the "pioneer" and 2 MHz work. The transmitters are all different, for which one has enough money. Well, who also self-satisfied. They work mainly with AM. Empty airspace allows you to use AM. Well, quality - who is on that much. But everyone wants to do as better as possible without thinking about the spectrum.

2900-2940 kHz / basic 2920 kHz / - SSB with upper side.

6630-6670 kHz / basic 6660 kHz / - the same kind of modulation. A range some comrades call as "satanic".

10430-10480 kHz / basic 10460 kHz / - the same USB. Very good passage in winter. You can work on a rope and 5W for the whole of Russia. This "free channel" is one of the most popular.

<https://vk.com/radioreceiver>  
(via RUS-DX 24 June via DXLD)

\*\* SAUDI ARABIA. See YEMEN [non]

\*\* SEYCHELLES [non]. SRI LANKA, Good signal of FEBA Radio via Trincomalee on June 25

1315-1345 on 11580.0 TRM 125 kW / 345 deg to SoAs Telugu/English Mon:  
<http://swldxbulgaria.blogspot.com/2018/06/good-signal-of-feba-radio-via.html>  
(Ivo Ivanov, SWLDBulgaria News, June 25-26, WORLD OF RADIO 1936, DX LISTENING DIGEST)

Re: ``INDIA [non]. 11580, FEBA/Radio India (Trincomalee [SRI LANKA]), \*1315+ 14 June. Popped on over SOH with English ID, opening chat with mention that following program would be in Malayalam (Dan Sheedy, Moonlight Beach CA, PL380/6m X wire, WORLD OF RADIO 1936, DX LISTENING DIGEST)``

11580 FEBA at 1315-1345 to India is via KTWR Guam, as far as I know -- Thanking you, Yours sincerely, (Jose Jacob, VU2JOS, National Institute of Amateur Radio, Hyderabad, India, <http://www.niar.org> WORLD OF RADIO 1936, DX LISTENING DIGEST)

\*\* SOLOMON ISLANDS. 5020, SIBC (presumed), on June 21, at 1212, with strong carrier, but again with no trace of any audio; by 1316 could make out the faint voice of announcer (extremely weak modulation) (Ron Howard, Ocean Beach San Francisco], CA, EtUn E1, antenna: 100' long wire, WOR iog via DXLD)

\*\* SOUTH AFRICA. 11925, June 25 at 0622, African accented English with news about Central Africa, report from Durban, S9-S7. It's Channel Africa this hour at 315 degrees also USward from Meyerton.

15200, June 25 at 0644, JBA signal here is the OSOB in the nightmiddle, i.e. DW in Hausa via Meyerton (Glenn Hauser, OK, DX LISTENING DIGEST)

\*\* SPAIN. Radio Exterior de España y el mundial de fútbol de Rusia

Resulta curioso y sorprendente que cuando durante todo el año Radio Exterior de España estuvo prestando una gran información a los eventos deportivos, especialmente en lo que se refiere al fútbol, a los partidos de la Champions League, así como a los de la selección española, con transmisiones en directo siempre que afectaba a equipos españoles o a la selección, incluso abriendo la programación mucho antes de su horario habitual, si algunos partidos se celebraban antes de que REE comenzara su emisión, ahora, con el mundial de fútbol que se está celebrando en Rusia, no está dedicando ni un solo minuto a las transmisiones de este evento, ni tan siquiera cuando juega la selección Española.

Cuando hace unos años Radio Exterior de España cerró sus emisiones, allá por el año 2014, se formó una plataforma para la defensa de la onda corta de esta emisora, la cual logró que reconsiderasen su postura y volvieron a emitir de nuevo. En esa plataforma estaban varias asociaciones y representantes de los trabajadores españoles que prestan servicio en barcos pesqueros que faenan en distintos caladeros de todo el mundo, de hecho, REE emite, en alguna de sus frecuencias para la zona de ¡El Gran Sol!, un caladero situado en el Atlántico Norte en donde faenan gran cantidad de barcos pesqueros españoles, y por parte de la plataforma se hacía hincapié en el gran servicio que REE prestaba y presta a estos trabajadores que se encuentran en alta mar, a los cuales les resulta muy difícil poder escuchar la radio y mantenerse informados sino es a través de la onda corta. Pues bien, durante la celebración del mundial de fútbol, estos trabajadores han sido privados de poder seguir a la selección española de fútbol en particular y el mundial en general.

Y más sorprendente resulta debido a que, antes de iniciarse el mundial, y desde siempre en los últimos años, la programación de Radio Exterior de España es la de Radio Nacional de España, Radio 1 (a excepción de un programa de producción propia que es ¡Españoles en la Mar!), con su completa cobertura que ofrece de todos los deportes y del fútbol en especial, de hecho, Radio Nacional, Radio 1 está transmitiendo todos los partidos de la selección española y poniendo en el aire una amplia información del mundial. Pues bien, desde el inicio del mundial, Radio Exterior de España está emitiendo, en lugar de la programación de Radio Nacional, Radio 1, la programación de Radio Nacional, Radio 5 Todo Noticias, la cual no tiene ningún programa de información deportiva.

Así que, por razones que desconozco, Radio Exterior de España ha dejado de lado completamente el mundial de fútbol de Rusia, privando especialmente a los trabajadores de los barcos españoles, por lo menos hasta el momento, de poder seguir las actuaciones de nuestra selección en el mundial.

Contrasta esto con el despliegue que est·n ofreciendo en este evento otras emisoras internacionales, tales como la BBC World Service, que en las tardes-noches, y por las frecuencias de 15400 y 9410 kHz, est·transmitiendo los partidos de la selecci·n inglesa, e incluso de otras selecciones cuando se celebran dichos partidos.

Por ·ltimo recordar que las frecuencias de Radio Exterior de Espa·a son, actualmente, las de 17855, 17715, 15520 y 15390 kHz, si bien es frecuente que alguna de ellas est· fuera del aire, de hecho desde hace unos d·as 15520 y 15390 emit·an s·lo la portadora, pero ayer d·a 20 de junio estaban las cuatro frecuencias en el aire.

El correo electr·nico de REE, al cual suelen responder a los mails que se les env·an, es el siguiente: [secretariatecnica.ree@rtve.es](mailto:secretariatecnica.ree@rtve.es) (Manuel M·ndez, WOR iog via DXLD) viz.:

Radio Exterior of Spain and the World Cup in Russia

It is curious and surprising that while throughout the year Spanish Foreign Radio was providing great information on sporting events, especially football, matches of the Champions League, as well as those of the Spanish national team, with live broadcasts whenever Spanish teams were affected, even opening the programming long before their usual schedule, if some games were held before REE began its broadcast, now, with the football World Cup being held in Russia, it is not dedicating a single minute to the transmissions of this event, not even when the Spanish team is playing.

When a few years ago in 2014, Radio Exterior de Espa·a closed its broadcasts, a platform for the defense of shortwave was formed for this station, to reconsider their position and return to shortwave. On that platform there were various associations and representatives of Spanish workers who serve on boats, fishing vessels that work in different fishing grounds around the world; in fact, REE emits, on one of its frequencies for the "El Gran Sol" area, a fishing ground located in the North Atlantic where there is a large quantity of Spanish fishing vessels, and the platform emphasized the great service that REE provided and lends to these workers that find themselves on the high seas, where it is very difficult to listen to radio and stay informed if not through shortwave.

Well, well, during the celebration of the football World Cup, these workers have been deprived of being able to follow the Spanish national football team in particular and the Cup in general.

And more surprising is that, before the start of the World Cup, and always in recent years, the programming of Radio Exterior de Espa·a had been from the National Radio of Spain, Radio 1 (except for one

program production of its own, that is "Spaniards at Sea"), with its complete coverage that offers all sports and football in particular, in fact, Radio Nacional, Radio 1 is broadcasting all the matches of the Spanish national team and putting on the air worldwide information. Well, since the beginning of the World Cup, REE is broadcasting, instead of RNE Radio 1, Radio 5 All-News, which does not have any sports information programming.

So, for reasons that I do not know, Radio Exterior de España has completely sidelined the Russian soccer World Cup, especially depriving workers on Spanish ships, at least so far, of being able to follow the actions of our team in the World Cup.

Contrast this with the coverage that other international broadcasters, are offering of this event, such as the BBC World Service, which in the evenings-nights, and on the frequencies of 15400 and 9410 kHz, is transmitting the matches of the English national team, and even of other match-ups.

Finally, remember that the Radio Exterior frequencies of Spain are, currently, those of 17855, 17715, 15520 and 15390 kHz, although it is common that some of them are off the air; in fact for a few days 15520 and 15390 issued only the carrier, but yesterday June 20 the four frequencies were on the air.

The email of REE, which usually respond to emails that are sent to it, is as follows: [secretariatecnica.ree@rtve.es](mailto:secretariatecnica.ree@rtve.es) (Manuel Méndez, Spain, Google translation, re-translated by Glenn Hauser for WORLD OF RADIO 1936, DX LISTENING DIGEST)

As I mused previously when REE was ignoring football, I suspect that it simply has not paid for the expensive rights to broadcast WC on SW (Glenn Hauser, WORLD OF RADIO 1936, DX LISTENING DIGEST) Viz.:

Hola, Este asunto tiene una clara explicación: la corporación RTVE no tiene derechos de emisión de los partidos del mundial, pero es más, a las emisoras españolas se les ha prohibido que se oigan sus retransmisiones fuera del territorio nacional; por ejemplo, la cadena COPE corta su señal del directo en internet cuando emite los partidos. En fin, son cosas de los derechos. Un saludo (Pedro Sedano, Madrid, España, COORDINADOR GENERAL, [coordinador@aer.org.es](mailto:coordinador@aer.org.es)  
----- ASOCIACIÓN ESPAÑOLA DE RADIOESCUCHA (AER)  
<http://aer.org.es/> --- noticiasdx yg via WORLD OF RADIO 1936, DXLD)

OK, Pedro, muchas gracias por la aclaración. Un saludo (Manuel Méndez, [noticiasdx](mailto:noticiasdx) yg via DXLD)

Esa la gran jugada de la LIBERTAD DE EXPRESIÓN, pagar por todo aquello

que cuatro listos han convertido en negocio. Mal vamos cuando cada vez se cierran m's puertas. CORDIALES SALUDOS / GOOD LUCK / (JUAN FRANCO CRESPO \* STAMP JOURNALIST (AIPET), S¿LVIA 8 (MAS CLARIANA), E-43800 VALLS-TARRAGONA (ESPA-A-SPAIN-ESPAGNE-SPANIEN), ibid.)

Manuel, amigo, agradezco tu correo y posterior aclaracin de Pedro.

Nos llamaba la atencin que REE no transmitiera, en base a lo que t' bien mencionas. Somos testigos de las coberturas que se obtiene con las emisiones en onda corta. Una pena, pues ayer mismo, quise apoyarme con REE, pues aqu en Chile no se transmiten todos los partidos y qued con las ganas cuando llegu a casa. (Muy bien los 17715 ayer 20.) Un abrazo cordial (Hugo Lpez, Santiago de Chile, ibid.)

Estimado Pedro: Comparto la opinin del colega Hugo; tambin me qued con las ganas de escuchar el partido. Saludos desde Tierra del Fuego, Chile (Mario Crcamo Norambuena, CE8RNK, ibid.)

\*\* SRI LANKA. 11905, June 20 at 0049, JBA South Asian music, S6-S7. This has now been confirmed as SLBC on a new schedule, ex-\*0115:

`- - - - posting to WRTH Facebook page, on May 22, at 5:41pm:  
Pradip Kundu (lives in Agartala, India) --- ``SLBC noted opening at 0030 UT on 11905 kHz with carrier tone, instrumental music, anthem, annt. followed by Bengali religious prog. AHABAN at 0036 UT, New timings.`` (Ron Howard, WOR iog via DXLD)``

``SLBC Hindi rev schd wef 22nd May, 2018:

- 1) 0030-0100 UT - 11905 kHz
- 2) 0200-0230 UT - 11905 kHz

<https://alokeshgupta.blogspot.com/2018/05/slbc-hindi-revised-schedule-due-to.html>  
73, (Alokesh Gupta, New Delhi, dx\_sasia yg via DXLD)``

SLBC Hindi on 11905 kHz during 0030-0100 UT --- Respected Glen Hauser, I think you might have heard SLBC (Sri Lankan Broadcasting Corporation), Hindi which is now on a revised sked for 3rd week of May due to their transmitters repair, etc., as per the sked 0030-0100 & again 0200-0230 UT on 11905 kHz. And their program includes a Gospel Program in Bengali language called Ahaban; for perhaps 15 minutes or so, and Hindi program resumes again after that program now during the 0030-0100 UT slot.

RX: Grundig Yacht Boy 400; ANT: Cu WIRE 78' Length, 30' Height With COAX LEADIN. Geographical Location of Reception Place (Abhayapuri):  
Longitude: 26f18x20xNorth  
Latitude: 90f37x50xEast

Brief Program Details: June 23rd on 11905 kHz, 0030 onwards for 7 minutes or so, instrumental music, Indian classical music; 0032: National anthem of Sri Lanka, perhaps in chorus; 0035: music-interval signal type tune, station ID & frequency, etc., announcement by a lady in Hindi, and announcement of the next program Abahon; music-gospel song in Bengali; announcement by a lady in Bengali about next feature -Explanation Of The Bible.

The signal was strong and slight heterodyne could be heard in the background. Here is the link to the audio file recorded around 0035 UT of SLBC Hindi on 11905 kHz:

<https://app.box.com/s/jfl90jdpqe2wqi3fvwe09s63164wr2e6>

& plus other radio related logs, etc., on my blog.

<http://gkcalling.blogspot.com/search/label/Dxing>

More monitoring observations, etc., soon. 73 & 55 (Gautam Kumar Sharma(GK), Abhayapuri (Assam)(India), May 23, DX LISTENING DIGEST)

\*\* SUDAN [non]. Reception of FPU Radio Tamazuji & Radio Dabanga June 21  
Radio Tamazuji [SUDAN SOUTH [non]]

1459-1527 on 15150 MDC 250 kW / 340 deg to EaAf Juba Arabic, fair/good

1459-1527 on 15550 SMG 250 kW / 150 deg to EaAf Juba Arabic, very good

Radio Dabanga [surely not in JUBA Arabic, spoken in the South --- gh]

1530-1627 on 15150 MDC 250 kW / 340 deg to EaAf Juba Arabic, weak/fair

1530-1627 on 15550 ISS 250 kW / 138 deg to EaAf Juba Arabic, very good

<http://swldxbulgaria.blogspot.com/2018/06/reception-of-fpu-radio-tamazuj-and.html>

(Ivo Ivanov, SWLDBulgaria News, June 20-21, DX LISTENING DIGEST)

\*\* SWAZILAND. ESWATINI, VG signal of TWR Africa via Manzini, June 20

1905-1935 9940 MAN 100 kW / 343 deg CeAf Lingala

1935-1950 9940 MAN 100 kW / 343 deg CeAf French:

<http://swldxbulgaria.blogspot.com/2018/06/very-good-signal-of-twr-africa-via.html>

Reception of Trans World Radio Africa via Manzini in 19 mb, June 21

1400-1415 15360 MAN 100 kW / 043 deg SoAs Urdu Daily, very good signal

1557-1627 15105 MAN 100 kW / 013 deg SoAf Kirundi Mo-Fr, strong signal

[http://swldxbulgaria.blogspot.com/2018/06/reception-of-trans-world-radio-africa\\_21.html](http://swldxbulgaria.blogspot.com/2018/06/reception-of-trans-world-radio-africa_21.html)

(Ivo Ivanov, SWLDBulgaria News, June 20-21, DX LISTENING DIGEST)

\*\* TAIWAN. 6370, Sound of Hope at 1117, woman speaking in Mandarin. -

Poor, June 22 (Harold Sellers, Vernon, British Columbia. Listening in my car, on a quiet country road, with the CommRadio CR-1a and Sony AN-1 whip on car roof, WOR iog via DXLD)

\*\* THAILAND. 9919.98, Radio Thailand - Udon Thani in English, 06-23-

2018, 1902-1928. Woman / man reading international and local news till 1909 (mentioning Thailand), brief announcement, music break, woman

announcements over music, other woman/men announcements mentioning Bangkok, Chicago, Toronto, London, man for two IDs and announcements over music, woman / man for current affairs news till 1921, several announcements over music by men, music pause, (mentioning Thailand), man IDs and announcement at 1924, brief music pause and man brief announcement into woman/man reading business news, heard in SSB, moderate fast QSB with lite QRN, very good (Gianni Serra, Roma, Italy. Equipment: JRC NRD 525 receiver; Alpha Delta DX-SWL Sloper-S antenna; RG 8 mini coaxial cable; JPS NIR 12 Noise & Interference Reducer-Dual DSP outboard audio filter; JRC NVA 319 external loudspeaker unit; Sony MDR-101 stereo headphones; Oregon Scientific RM 912 radio controlled clock -- NASWA Flashsheet June 24 via DXLD)

\*\* TINIAN [non?]. 7435, June 23 at 2125, song and announcement at S6, briefly smothered by S9+20 uteblast. This early only other signal on band is 7330 Cuba. Altho something eastward ought to be more likely, only 7435 listee is RFA Chinese via TINIAN at 21-22 only, and/or CNR1 jamming. (Vietnam starts at 2145 per NDXC/Aoki) (Glenn Hauser, OK, DX LISTENING DIGEST)

\*\* TURKEY. 9830.003, June 21 at 2254, TRT IS is still running after English has finished, so dare we hope for another hour, in German? Hopeful: 2257 IS pauses for ID in German. 2300:03.5, timesignal ends a bit late, and sign-on German promising news, but sloppy-rator at Emirler wakes up and chops it off the air at 2300:37\*, shux. As for the exact frequency, measuring it is tough here since the R75 constantly transmits a birdie around 9830, which when in the clear seems about 9830.08 (Glenn Hauser, OK, DX LISTENING DIGEST)

TRT Voice of Turkey, EMR 500 kW on nominal kHz June 20  
0830-0955 11795.0 / 105 deg WeAs Farsi, instead of 11795.7 June 19  
1000-1055 9655.0 / 072 deg CeAs Georgian, instead of 9655.7 June 19  
1000-1025 9855.0 / 032 deg CeAs Tatar, instead of 9855.7 June 19  
<http://swldxbulgaria.blogspot.com/2018/06/voice-of-turkey-on-nominal-frequencies.html>

(Ivo Ivanov, SWLDBulgaria News, June 20, DX LISTENING DIGEST)

Again very odd frequency of TRT Voice of Turkey on June 23:  
1000-1055 9655.7 / 072 deg to CeAs Georgian, instead of 9655 June 22  
1000-1025 9855.0 / 032 deg to CeAs Tatar, on nominal 9855 June 22  
0500-0655 13765.0 / 210 deg to CEAF Hausa/Swahili-today not on air  
[http://swldxbulgaria.blogspot.com/2018/06/again-very-odd-frequency-96557-khz-of\\_23.html](http://swldxbulgaria.blogspot.com/2018/06/again-very-odd-frequency-96557-khz-of_23.html)

(Ivo Ivanov, SWLDBulgaria News, June 23, DX LISTENING DIGEST)

Another very odd frequency of TRT Voice of Turkey June 24:  
1000-1025 9855.7 / 032 deg CeAs Tatar, instead of 9855.0 June 23  
1000-1055 9655.0 / 072 deg CeAs Georgian, instead of 9655.7 June 23

<http://swldxbulgaria.blogspot.com/2018/06/another-very-odd-frequency-98557-khz-of.html>

(Ivo Ivanŭv, SWLDBulgaria News, June 23-24, DX LISTENING DIGEST)

Wrong frequencies of Voice of Turkey in Bulgarian June 25:

1100-1125 on 12030 EMR 250 kW / 290 deg to SEEu Bulgarian, not on 7210

1100-1155 on 15240 EMR 500 kW / 072 deg to EaAs Bulgarian plus Chinese

<http://swldxbulgaria.blogspot.com/2018/06/wrong-frequencies-of-voice-of-turkey-in.html>

(Ivo Ivanŭv, SWLDBulgaria News, June 25-26, DX LISTENING DIGEST)

\*\* TURKEY. Unidentified Turkish Utility station, June 26

0653 & 0707 on 15862 unknown kW / unknown, fair to good: [MODE???

<http://swldxbulgaria.blogspot.com/2018/06/unidentified-turkish-utility-station.html>

(Ivo Ivanŭv, SWLDBulgaria News, June 25-26, DX LISTENING DIGEST)

\*\* UGANDA [non]. 9370-, June 23 at 1715, again this weekend no signal from R. Munansi via WWRB, so canceled? It has gone and come before.

Nor on 15240- (Glenn Hauser, OK, DX LISTENING DIGEST)

\*\* UKRAINE. Ukrainian TV off the air. Radio, too? Just read this about

Ukrainian state tv. Not sure whether it also includes state radio.

<https://www.kyivpost.com/ukraine-politics/in-debt-for-transmission-services-ukraines-public-tv-broadcaster-goes-off-air.html>

(Volodya Salmaniw, BC, June 20, WOR iog via DXLD) Viz.:

[like so many press linx, this appended a long bunch of garbage after .html --- to track readers?? I remove it and try the shorter link to confirm it worx --- gh]

IN DEBT FOR TRANSMISSION SERVICES, UKRAINE'S PUBLIC TV BROADCASTER GOES OFF AIR --- By Bermet Talant. Published June 19 at 5:00 pm

Kyiv television tower for radio and television broadcasting.

Photo by Mykola Ivashchenko [caption]

Ukraine's only public terrestrial television channel, UA: Pershyi, was taken off the air on June 18 because of unpaid debts, its management said in statement.

The state radio broadcasting and television operator has now suspended the analogue broadcasting of UA: Pershyi in several cities, including Kyiv, Vinnytsya, Dnipro, Odesa, Ternopil, and Chernihiv.

The owner of the channel, the National Public Broadcasting Company of Ukraine, reportedly failed to pay Hr 75 million (\$2.8 million) for transmission services.

UA: Pershyi is still available in digital format as well as online and on cable networks, the channel's press service said in a statement issued on June 19. It said the debt had built up because the channel was insufficiently funded.

For 2018, the state budget of Ukraine allotted only ₴ 776.5 million (\$29.5 million) for financing the national public broadcaster, which is less than half the amount guaranteed by law, the statement read.

In addition, funds for transmission services have not been allotted at all since April 2018.

According to the law, public broadcaster is to receive annual funds equivalent to 0.2 percent of the state budget.

The National Public Broadcasting Company of Ukraine repeatedly appealed to the parliament regarding the critical situation with underfunding and warned it might lead to the loss of analogue broadcasting.

Minister for Information Policy of Ukraine Yuriy Stets said it was inadmissible to pull the plug on UA: Pershyi because of its debts.

The Cabinet of Ministers of Ukraine and Verkhovna Rada have to resolve the issue of funding the national public broadcaster immediately, Stets said in a statement released on June 19. The ministry will submit its proposals on settling the debt in the coming days.

Television remains the most popular medium in Ukraine, and the ownership of channels is mostly concentrated in the hands of a few rich oligarchs. UA: Pershyi is the only public broadcaster among a clutch of television channels owned by private media holdings.

According to the Media Ownership Monitor, a study by Reporters Without Borders and the Ukrainian Institute of Mass Information (IMI), over three quarters of all viewers in Ukraine watch channels owned by the four largest media groups: Viktor Pinchuk's StarLightMedia, Ihor Kolomoyskyi's 1+1 Media, Dmytro Firtash's Inter Media, and Rinat Akhmetov's Media Group Ukraine.

The study also found that 10 out of 12 television channels were directly or indirectly linked to political figures or individuals with strong political affiliations.

Even if UA: Pershyi does resume analogue broadcasting, it may not be for long: Ukraine has been planning to transfer to digital television

for over a decade, and according to the latest plans, the switchover from analogue to digital broadcasting will start on July 1 (via DXLD)

\*\* U A E. Reception of FEBA Radio via BaBcoCk Al-Dhabayya on June 20  
1200-1230 on 15215.2 DHA 250 kW / 085 deg to CeAs Tibetan, good signal  
<http://swldxbulgaria.blogspot.com/2018/06/good-signal-of-feba-radio-in-tibetan.html>

NHK World Radio Japan via BaBcoCk Al-Dhabayya on June 20  
1515-1600 on 11775.2 DHA 250 kW / 060 deg to SoAs Urdu, good signal:  
<http://swldxbulgaria.blogspot.com/2018/06/nhk-world-radio-japan-via-babcock-al.html>  
(Ivo Ivanŭv, SWLDXBulgaria News, June 20, DX LISTENING DIGEST) But:

Trans World Radio Africa via BaBcoCk Al-Dhabayya on June 22  
1300-1315 17680 DHA 250 kW / 230 deg to EaAf Afar Thu-Sun, fair/good  
<http://swldxbulgaria.blogspot.com/2018/06/trans-world-radio-africa-via-babcock-al.html>  
(Ivo Ivanŭv, SWLDXBulgaria News, June 22, DX LISTENING DIGEST)

\*\* U K. [Re ANTARCTICA [non], speculation/info about WOF powers:]

On Thu, Jun 21, 2018 at 02:59 pm, Ivo Ivanov wrote:  
2130-2200 5985 WOF 250 kW / 184 deg to Antarctica English, very good  
2130-2200 7360 ASC 250 kW / 207 deg to Antarctica English, very good  
2130-2200 9890 WOF 250 kW / 182 deg to Antarctica English, very good

Ivo: Why do you say the Woofferton transmissions were 250 kW? Why not 300 kW? (-- Richard Langley, WOR iog via DXLD)

Why not 3 kW [sic] (Ivo, ibid.) ???

``But, seriously, Woofferton does have transmitters rated at 300 kW and have used a 300 kW one in previous years for the BAS broadcast, at least on the 49-m frequency.``

Do they really have (HFCC is no authoritative source for such questions)? I see the model number of the last Marconi transmitters installed there given as B 6124, which would be 250 kW with class B modulation. 1981 also appears to be a bit early for equipment with pulse width modulation in the Marconi Pulsam technology (which in its 300 kW implementation was called B 6126).

And I understand that anyway the core of the remaining operations are the new RIZ transmitters. Are there at any moment more frequencies on air, still requiring a routine use of the almost 40-year-old equipment? I don't think so (Kai Ludwig, Germany, ibid.)

Two answers from England reached tonight.

<http://mail-archive.com/hard-core-dx@hard-core-dx.com/msg48414.html>

Subject: Fw: Babcock Woofferton  
(Re: SWLDBulgaria News, June 20-21)

Hi dear Dave, there is an actual discussion on the TX power of Woofferton site {on BBC Antarctic special single - 30 minutes - day operation June 21} at present.

Please inform me of the various 250 / 300 kW power types there.

I know some new RIZ Zagreb Croatia type installed in past half decade, and also some elder Skelton units 'moved - in' too ?? and also sometimes old Marconi gear (like in Singapore Kranji \\ ) were in use as alternative replacement, but latter had some 40 - 60 Hertz frequency offset to mention. vy73 de (wolfy df5sx wwdxc germany, to David Porter, via DXLD)

# # # # answer mail #1

From: "David Porter" g4oyx  
To: "Wolfgang Bueschel" df5sx  
Sent: Saturday, June 23, 2018  
Subject: Re: Babcock Woofferton  
(Re: SWLDBulgaria News, June 20-21)

Hi Wolfie, Pleased to report that I can easily answer your questions!

There are 10 senders available for use at WOF

Sender 93 (S93) and S95 are Marconi BD272 dating from 1963. They are rated at 250 kW but these days are run at about 220 kW. They are regular AM and have Class B modulation. Both these 55 year old senders are in use every day on one fixed frequency!

S81, S82, S83 and S84 are Marconi B6124 from 1981 and are 300 kW. Class B modulation. They are run now at 250 kW as they always were at CYP when it was in use.

They run for a few hours per day. They are auto wavechange so can cover for all the other senders except for the 3955 service as they cannot do 75 mb.

S96 is a RIZ 500 kW unit from 2006 and is down rated to 250 kW. It has AMC with 6 dB compression (so at 100% mod, carrier power is 62.5 kW) It can run at 125 kW if required by the programme provider. One of its transmissions is the powerhouse 3955 kHz service. It can run DRM. It

has solid state (SS) digital mod.

S96 was the RIZ prototype sender and a production model re-badged as TFK S5040 was in use at WER, it is now in NAU.

S91, S92 and S94 are RIZ 250 kW senders with AMC and can run at 125 kW if needed. They have SS modulation. They carry the brunt of all the services. Their efficiency exceeds 75%.

WOF is used by Babcock as a cover station for DHA and ASC if they have sender outages. Rather like an insurance policy.

The RIZ 250 kW at WOF were three of four bought in 2007, the other was installed at SKA [Skelton-A, UK, defunct]; this is removed and is now at Babcock Kranji, Singapore. Please let Kai know of this situation!

See

[https://www.bbceng.info/Technical%20Reviews/tott/31-33\\_G40YX\\_Signal\\_Issue\\_41.pdf](https://www.bbceng.info/Technical%20Reviews/tott/31-33_G40YX_Signal_Issue_41.pdf)

[https://www.bbceng.info/Technical%20Reviews/tott/22-27\\_G40YX\\_Signal\\_Issue\\_42.pdf](https://www.bbceng.info/Technical%20Reviews/tott/22-27_G40YX_Signal_Issue_42.pdf)

73 Dave

# # # # answer mail #2

----- Original Message -----

From: "David Porter" <g4oyx@yahoo.co.uk>

To: "Wolfgang Bueschel" df5sx

Sent: Saturday, June 23, 2018

Subject: Re: Babcock Woofferton

Hi Wolfie, Just remembered that as Martin was on call for the Midwinter transmissions he made sure that both WOF outlets were on the B6124, i.e. full carrier and 250 kW output. 73 Dave

(all via) vy73 de (wolfy df5sx wwdxc germany, June 23, DXLD)

Thanks to the efforts of Wolfgang Bueschel, we have learned from Dave Porter that indeed two of the old Woofferton Marconi B6124 transmitters, rated at 300 kW, were used for the BAS broadcast. However, they were run at 250 kW. Apparently, the Marconi B6124 transmitters are run for a few hours each day. And even the older Marconi BD272 transmitters (rated at 250 kW but run at 220 kW) are used every day. Glenn may have more information on the current status of the Woofferton transmitters in an upcoming DXLD (-- Richard Langley June 26, WOR iog via DXLD) As above

\*\* U K [non]. Special BBC Coverage to Africa, World Cup Russia 2018: Nigeria vs. Iceland, [all from 1430 but no dates specified!]

11805 MEY 250 kW / 019 deg to CEAF English Tue/Fri/Sun, very good  
15340 ASC 250 kW / 027 deg to WEAF English Tue/Fri/Sun, very good  
17545 ASC 125 kW / 065 deg to WEAF English Tue/Fri/Sun, very good  
17780 ASC 250 kW / 065 deg to WEAF Hausa Tue/Fri/Sun, very good signal  
<http://swldxbulgaria.blogspot.com/2018/06/special-bbc-relay-world-cup-russia-2018.html>  
(Ivo Ivanov, SWLDBulgaria News, June 22, DX LISTENING DIGEST)

\*\* U K [non]. BBC: See INTERNATIONAL VACUUM

\*\* U S A. A rare day indeed that WWV on 25 MHz is propagating well into Victoria at 2012 UT. It's been a long time since I've heard them here! 73, (Walt Salminiw, June 24, WOR iog via DXLD)

Yes, nicely into central Alberta also. 73 (Mick Delmage, 2059 UT June 24, ibid.)

That's sporadic E = ``short skip`` for you peaking this time of year. Also serves as pilot for possible 26 MHz broadcast auxiliaries, e.g. Denver on 25950. I put up a list of these a few weeks ago, <https://groups.io/g/WOR/message/102605> or see EiBi, tho none(?) have been reconfirmed active so far this year (Glenn Hauser, WORLD OF RADIO 1936, DX LISTENING DIGEST)

On your program for June 19, you mentioned a phone number for WWV. I went on line and learned the number is 303 499-7111. This is useful for me because I can call this number when I set my talking clock. You can only stay on this number for several minutes which makes sense to me. I've been blind since birth and this number will be useful for other blind listeners. By the way, I'm sending this from Coplay, Pennsylvania in Lehigh county (Donald Mayer, June 25, DX LISTENING DIGEST)

5000, June 22 at 1304, WWV with hourly announcement that everything you hear from it on SW can now also be heard on phone via 303-499-7111; like WWVH does at :47 past the hours with its 808- number. If a leap second were pending this June 30, they would surely be announcing that instead (Glenn Hauser, OK, DX LISTENING DIGEST)

\*\* U S A. Old Greenville Site A is for the birds  
Site B is, of course, still operating ...  
<http://www.reflector.com/Look/2018/06/24/Hot-spot-for-birding.html>  
(Kim Elliott, KD9XB, June 24, WOR iog via DXLD)

\*\* U S A [non]. Frequency change, VOA Learning English, Udorn June 25  
1130-1200 NF 12030 UDO 250 kW / 304 deg to SEAs English, good, x 12020  
1130-1200 on 15715 PHT 250 kW / 283 deg to SEAs English, good signal  
1130-1200 on 17790 PHT 250 kW / 283 deg to SEAs English, weak signal

<http://swldxbulgaria.blogspot.com/2018/06/frequency-change-of-voa-learning.html>  
(Ivo Ivanŭv, SWLDXBulgaria News, June 25-26, WORLD OF RADIO 1936, DX  
LISTENING DIGEST)

Must have belatedly realised that Vietnam inhabits 12019v! (gh, DXLD)

WORLD OF RADIO      WORLD OF RADIO      WORLD OF RADIO      WORLD OF RADIO

\*\* U S A [and non]. 7490.07, WBCQ Monticello ME; 2113-2130+, 6/20  
[Wed]; Glenn Hauser's World of Radio #1935 to 2128:57 elevator fill  
music; BoH WBCQ spot by Goddess Irina. SIO=352 near QRN level till  
suddenly better at 2120 to SIO=3+53- QRN not helping (Harold Frodge,  
Midland MI, USA, Drake R8B + 185' RW, ----- All logged by my ears, on  
my receiver, in real time & without the aid of a computer! -----, DX  
LISTENING DIGEST)

WORLD OF RADIO 1935 monitoring: confirmed Friday June 22 at 2355, the  
2330 on WBCQ 9330v, fair. It's been several weeks since this has shown  
up on Fridays, instead of Brother Scare. You never know what will  
happen next.

Not confirmed Saturday June 23 at 1458 check the 1431 on HLR 6190-  
CUSB, nothing but noise heard on UTwente SDR --- the second week  
missing, tho no one has notified us of any pending downtime. Alan  
Gale, England, reports at 1505:

6190 no-show again --- Hi Glenn, Not a twitter from HLR here today on  
6190 kHz, in fact the only German relay that was audible was Radio  
Europa on 6150 kHz. No sign of anything from Channel 292, SWS or  
Shortwaveradio.de either, and even on the Twente webSDR the only  
station I could hear was Channel 292, so it may just be the usual mid-  
summer doldrums on 6 MHz. Back to WRMI and 7780 kHz again then, that's  
still propagating here very well every night after about 2200 UT [WOR  
at 2300 & 0200]. Alan`` WORLD OF RADIO 1936, Next:

Sat 1930v    WA0RCR 1860-AM ND  
Sat 2130    WBCQ 9330v to WSW [maybe, or 2330?]  
Sat 2300    WRMI 7780 to NE  
Sun 0200    WRMI 7780 to NE  
Sun 0310v    WA0RCR 1860-AM ND  
Sun 1030    HLR 9485-CUSB to WSW  
Sun 1900    WRMI 9395 to NNW  
Sun 2330    WBCQ 9330v to WSW [maybe]  
Mon 0130.5    WRMI 5850 to NW, 7780 to NE  
Mon 0300v    WBCQ 5130v Area 51 to WSW  
Mon 0330    WRMI 9955 to SSE  
Mon 0400    WRMI webcast only, non-direxional  
Mon 2330    WBCQ 9330v to WSW [maybe]

Tue 0030 WRMI 7730 to WNW  
Tue 2030 WRMI 7780 to NE, 5950 to WNW [or #1936?]  
Tue 2130 WRMI 7780 to NE, 5950 to WNW [or #1936?]

WORLD OF RADIO 1935 monitoring: confirmed Saturday June 23 at 2300 on WRMI 7780, fair; also UT Sunday June 24 at 0200 on WRMI 7780, JBA. Also UT Sunday June 24 at 0327 on WA0RCR, 1860-AM, Missouri, about 9 minutes into show, so started circa 0318; would be good but vs heavy local storm noise. NOT confirmed Sunday June 24 at 1900 on WRMI 9395: Brother Scare, instead! WOR can no longer be found on the websked at this time, rather System G with Wavescan among Oldies on 9395, but that is also incorrect! WORLD OF RADIO 1936, Next:

Sun 2330 WBCQ 9330v to WSW [maybe]  
Mon 0130.5 WRMI 5850 to NW, 7780 to NE  
Mon 0300v WBCQ 5130v Area 51 to WSW  
Mon 0330 WRMI 9955 to SSE  
Mon 0400 WRMI webcast only, non-direxional  
Mon 2330 WBCQ 9330v to WSW [maybe]  
Tue 0030 WRMI 7730 to WNW  
Tue 2030 WRMI 7780 to NE, 5950 to WNW [or #1936?]  
Tue 2130 WRMI 7780 to NE, 5950 to WNW [or #1936?]

WORLD OF RADIO 1935 monitoring: confirmed June 25 at 0136 the 0130.5 UT Monday on WRMI, 5850 good, 7780 fair. Also confirmed UT Monday June 25 from 0301 on Area 51 webcast, also on WBCQ 5129.8 at 0328 check. Also confirmed at 0330 on WRMI 9955, fair-poor; also confirmed at 0422 check, the immediate repeat from 0400 on WRMI webcast only. Also confirmed UT Tuesday June 26 at 0030 on WRMI 7730, very good.

Since the WRMI schedules are self-contradictory, I'm struggling to monitor what is axually on in the noisy summer afternoon. Tuesday June 26 at 2054, is WORLD OF RADIO still on 7780 and 5950 from 2030? Yes, 7780 is JBA with what must be the last repeat of WOR 1935; 5950 seems to be // but can't be positive.

WORLD OF RADIO 1936 contents: Antarctica non, Australia, Bhutan, Bolivia, Botswana, Bougainville, Canada, Chile, China, Cuba, France, India, Korea North non, Korea South, Kurdistan non, New Zealand, Nicaragua, North America, Philippines, Seychelles non, Spain, USA and non; propagation outlook.

WOR 1936 ready for first airing on WRMI, Tuesday June 26 at 2130: 7780 has definitely changed at 2140 check to RAE in Italian [see ARGENTINA [non]], and 5950 unseems // but just too weak in a large noise level to be positive it's WOR 1936.

Please, Jeff, can't you put this and all other 5950 daytime programming on a 9 or even better, 11 MHz frequency? Altho it had been

showing up Tuesdays if not otherdays at 2330 on WBCQ 9330v, today June 26, WOR does not, just more BS. Next:

Wed 1030 WRMI 5950 to WNW  
Wed 2100 WRMI 9955 to SSE  
Wed 2100 WBCQ 7490v to WSW  
Wed 2330 WBCQ 9330v to WSW [maybe]  
Thu 2330 WBCQ 9330v to WSW [maybe]  
Fri 2330 WBCQ 9330v to WSW [maybe; appeared last week]  
Sat 0631 HLR 6190-CUSB to WSW [missing last weeks]  
Sat 1431 HLR 6190-CUSB to WSW [missing last weeks]  
Sat 1930v WA0RCR 1860-AM ND  
Sat 2130 WBCQ 9330v to WSW [maybe, or 2330?]  
Sat 2300 WRMI 7780 to NE  
Sun 0200 WRMI 7780 to NE  
Sun 0310v WA0RCR 1860-AM ND  
Sun 1030 HLR 9485-CUSB to WSW [missing last weeks]  
Sun 2330 WBCQ 9330v to WSW [maybe]  
Mon 0130.5 WRMI 5850 to NW, 7780 to NE  
Mon 0300v WBCQ 5130v Area 51 to WSW  
Mon 0330 WRMI 9955 to SSE  
Mon 0400 WRMI webcast only, non-direxional  
Mon 2330 WBCQ 9330v to WSW [maybe]  
Tue 0030 WRMI 7730 to WNW  
Tue 2030 WRMI 7780 to NE, 5950 to WNW [or #1937?]  
Tue 2130 WRMI 5950 to WNW [or #1937?]

Full schedule for WOR on all outlets, not just SW; podcast linx:

<http://www.worldofradio.com/radioskd.html>

(Glenn Hauser, OK, DX LISTENING DIGEST)

WRMI WRMI WRMI WRMI WRMI WRMI WRMI WRMI WRMI WRMI WRMI WRMI WRMI WRMI

\*\* U S A. 5850, WRMI, FL, Okeechobee, Broad Spectrum Radio with indy rock album, into BSR Radiogram #12 with stories about WSPR, the June Fund raiser & photos of stamps & a much more colourful Broad Spectrum Radio logo: [illustration]

Edition #52 of SW Radiogram with the usual mix of digital text & photos including stories about Net Neutrality, the restoration of Prague's Astronomical Clock & 5 images including one showing cherries from Tree-Mendus fruit in SW Michigan & an electricity pylon located outside Kaliningrad, made special for the World Cup & an acknowledgme: [illustration] 4+54+4+4 again starting out really strong, but fading a bit toward the end. 0657-0900\* 18/Jun (Kenneth Vito Zichi, Port Hope MI2, MARE Tipsheet 22 June via DXLD)

WRMI Radio Miami International - June 19 at 10:36 AM

## WRMI GENERAL MANAGER ELECTED TO NASB BOARD OF DIRECTORS

At the 2018 annual meeting of the National Association of Shortwave Broadcasters, WRMI General Manager Jeff White was elected to a three-year term on the NASB Board of Directors. Jeff is also the Secretary-Treasurer of the organization, and his wife Thais White is Assistant Secretary-Treasurer. WRMI's propagation consultant (and former manager of WYFR) Dan Elyea had been the previous WRMI representative on the NASB Board, but he had to rotate off the Board after two consecutive three-year terms.

The NASB annual meeting took place in Elkhart, Indiana at the headquarters of SonSet Solutions, the former HCJB Global Technology Center which among other things builds shortwave transmitters and receivers (WRMI disgraced FB via DXLD)

On the first day of summer, WRMI finally ventures back up into the rarified ionosphere of 25 meters: 11580, June 21 at 2306, WRMI reactivated! But only with Brother HyStairical // much stronger 7570, during his moan-`n`-groan hour, which almost sounds like two or more stations mixing. WORLD OF RADIO 1936,

11580 was dropped last January, replaced by 7780 on the 44 degree azimuth (altho it should have been kept during the daytime). But this does not re-replace 7780 now, which continues on XMTR 1. As of 0039 UT June 22, and still shown same at 1545 UT June 22, 11580 is XMTR 9 at 44 degrees, but ONLY 21-23 UT on Saturday consisting of: 21-22 System L, content unknown/unshown, and 22-23 System G with VORW; altho both are in yellow, not gray. Recheck at 2330, 11580 is S9+10 of dead air with gospel huxter, // 7570 so presumably TOMBS, as a test? However it is not // 9330v WBCQ, so maybe unsynchronized TOMBS feeds. Re-recheck at 0013 June 22, 11580 is dead air again just before cutting off at 0013:35\*; and not heard since on various random chex. So be on the hearout for further usages of 11580. I wonder if the one antenna destroyed by hurricane is now back in business?

BTW, 9955, XMTR 10 is now shown with a Saturday-only extension, 1400-1630 on System D, content? after daily System B until 1400.

Some other apparent changes: 7730 System D is now shown with `Broad Spectrum` UT Tuesday at 04-05; and `Media Network Plus` (really still exists?), same time on UT Saturday. MN+ also with another new? airing Monday 09-10 on 5950 System D (Glenn Hauser, OK, DX LISTENING DIGEST)

9955, June 23 at 1416, tune-in WRMI to check out the Saturday-only extension scheduled until 1630\* past otherdays` 1400\*, and find it's RAE Argentina to the World, in Spanish! Good reception and only an

occasional trace of pulse jamming, much better than the only nominal frequency for RAE Spanish relay, 5010 at 22-23 M-F, JBA here and I question how well that gets into deep, or even shallow South America.

[Hi Glenn, Here in South Florida 5010 is the strongest signal that I receive at 2200 UT. So it must also put in a great signal into Cuba and probably into at least northern parts of South America. Peter W Hansen]

And I have tuned in just in time for DX program whose title is 'actualidaddx.com.ar' starting at 1417. Announcer apologizes for his voice as he has a cold in the winter, but sounds OK to me. Only he speaks for more than a semihour with some music bed, and clips here and there. Tho I'm usually occupied with other programming Saturday morning, I make a point of listening to the whole thing, my first chance in a long time.

It's all about FM/AM stations in several Latin American countries, probably rounded up from internet/press releases {many on the GRA blog}, some of them ex-SW but none currently, so hardly of practical use to DXers. Argentina is first, about C rdoba, LPFM authorizations, giving LR- callsigns in the three letters+three numbers format. 1426, on to Bolivia, about Radio (Alto) Tarija, 91.5 FM with a clip; 1430, Caldas, Colombia; 1433, Radio Reloj, Cuba, anniversary with clip; 1438, M xico, Radio Nicol s? at Universidad de Michoac n; 1442, Nicaragua; 1443, Per , Radio La Cr nica anniversary, ex-SW; 1446, Rep blica Dominicana about pirate infestation; 1450, Venezuela, station at Universidad de los Andes. Program closing at 1452 as I hasten to UTwente [WORLD OF RADIO 1936]

All this heard direct on 9955, but frequency is off the air after 1500 instead of 1630. Then I bring up the WRFM webstream <http://wrfm.listen.creek.fm/stream> which used to be labeled (RAE) even when emitting other programming but now is ``(no name)``. At 1538 it's amid 'Hobart Radio International', Oz narration with a bunch of few-second tune clips (what's the point?), 1540 program ID.

I don't know whether that stream contained RAE before 1500 as the extension is attributed to System D instead of System B. The skedgrid for System B says 14-21 UT is ``internet only, repeats of regular programming``, but never with any details! If HRI is in there, World of Radio could be too, but no way to find out except by continuous monitoring 7 hours a day, 7 days a week.

At 1601, on the stream only, RAE in Portuguese is starting, claiming to be on 9955 at 12-13 UT instead of 11-12, and previewing the DX program coming up. Will it be a total translation of what I just heard

in Spanish, ditto for English et al.? I'll bet RAE is also unaware of the 14-15 Saturday-only SWBC in Spanish on 9955. Last year it was also showing up then, M-F.

I continue to let the WRMI webcast-only

<http://wrmi.listen.creek.fm/stream>

play during midday silence of 9955, Saturday June 23 past 1900 UT and check it occasionally for what's on it, lacking any schedule provision. At 1920: Slovakia in Spanish (initially talking about Argentina, confusingly); 1930: World Music; 2000: 'Dub Politico', slurry political commentary, can't catch website or name, but says he is on Long Island, and spells email ejolipa111@hotmail.com, broadcasts at 4-4:30 and 5-5:30 pm EDT, and maybe will change to 11580 (presumably from 7780 and/or 9955) (Glenn Hauser, OK, WORLD OF RADIO 1936, DX LISTENING DIGEST)

Changes of WRMI: new time of RAE Argentina, VORW Radio Int. & Brother Stair: [all as YFR [sic] 100 kW]

<http://swldxbulgaria.blogspot.com/2018/06/wrmi-changes-new-time-of-rae-vorw-radio.html>

(Ivo Ivanûv, SWLDBulgaria News, June 23, DX LISTENING DIGEST) Viz.:

2100-2200 11580 / 044 deg to WeEu English Sat tx#9 various WRMI progr.

2200-2300 11580 / 044 deg to WeEu English Sat tx#9 VORW Radio Inter.

2200-2300 7780 / 044 deg to WeEu English Sat tx#1 VORW Radio Inter.

2100-2200 7780 / 044 deg to WeEu German Mon-Fri tx#1 RAE Argentina

2200-2300 7780 / 044 deg to WeEu Italian Mon-Fri tx#1 RAE Argentina

1900-2000 9395 / 355 deg to ENAm English Daily tx#6 Brother Stair

1900-2000 9395 / 355 deg to ENAm German Mon-Fri tx#6 RAE cancelled

2000-2100 9395 / 355 deg to ENAm Italian Mon-Fri tx#6 RAE cancelled

??????????? ?? Observer ? 2:26 PM (via DXLD)

Fair/good signal of WRMI on 11580 kHz tx#9 on June 23

Various WRMI programs, but open carrier/dead air till 2130 UT

2100-2200 100 kW / 044 deg WeEu English Sat VORW Radio International

2200-2300 100 kW / 044 deg WeEu English Sat

<http://swldxbulgaria.blogspot.com/2018/06/fairgood-signal-of-wrmi-on-11580-khz.html>

(Ivo Ivanûv, SWLDBulgaria News, June 23-24, DX LISTENING DIGEST)

11580, it's Saturday June 23, so this reactivated WRMI frequency is supposed to appear at 21-23 UT. At 2121, S4 open carrier is on, JBM? Don't think so; still dead air past 2132. 2141 recheck still so, but 2141.5 suddenly starts modulating rock music, not // 9395 Oldies.

Suspect it's VORW, 2144 cut to another tune, ``My Guy``, and don't stay long enough to hear if John/VORW speaks. VORW supposedly is at 22-23, not 21-22. Next checks, more dead air --- 2300, still on at 2358 (Glenn Hauser, OK, WORLD OF RADIO 1936, DX LISTENING DIGEST)

Monitored WRMI Sunday Evening / Monday Morning (UT) 7780 kHz Schedule  
From my recording last Sunday evening, 24-25 June UT:

2015 Viva Miami (Keith Perron's interview with Mark Fahey; repeat)  
2030 Reserve Military Retirement  
2100 Voice of the Report of the Week, VORW Radio International  
2200 Your Weekend Show (almost an entirely secular episode in part about how kids these days don't measure up)  
2300 Wavescan (includes part 1 of an item on the history of Radio Veritas Asia) [as above in this DXLD]  
2330 Shortwave Radiogram (#53)  
0000 Radio Slovakia International in Slovak  
0030 Radio Slovakia International in English  
0100 Rockphesy  
0130 World of Radio (#1935)  
0200 Wavescan (repeat)  
(-- Richard Langley, June 26, WOR iogo via DXLD)

9395, Monday June 25 at 1919, WRMI is JBA and 7780 is a JBA carrier. Skedgrid has been changed to delete RAE 1900 M-F relay in German, and 2000 in Italian from 9395, instead moved two hours later on 7780 (which was the original time when they began on 11580).

So what's on 9395 now? Before and after 2000, 9395 is Brother Scare, 7780 too weak to be sure but maybe also BS. By 2126, 9395 is definitely Oldies with Beatles at S9+10, and 7780 JBA talk, BS?

9955 at 2126 June 25 with talk in Brazuguese, but it's only a clip within `La Rosa de Tokio`, historical media show as scheduled Mondays 21-22, then back to Argentinish Spanish, another episode in a series about Brazilian SW (Glenn Hauser, OK, DX LISTENING DIGEST)

WBCQ WBCQ WBCQ WBCQ WBCQ WBCQ WBCQ WBCQ WBCQ WBCQ WBCQ WBCQ WBCQ WBCQ WBCQ

\*\* U S A. 9330.06, June 20 at 0549, WBCQ TOMBS is dead air, or maybe JBM (Glenn Hauser, OK, DX LISTENING DIGEST)

(7490), UT Saturday June 23 at 0001, WBCQ via webcast with ``WT0`` theme starting `AWWW`. Opening he is fiddling with Angela's mike, remark about imbibing something, and her beautification of the station via gardening --- sure sounds like a repeat, but finally decide it's slightly different from previously, altho no mention yet of which Y00L date this is. Allan regards rocks as ``jewels of the earth``. When he

allows someone to interrupt with a phone call, I leave the rest to John Carver's listening:

``Listening on 7490 this evening. Show started after a short musical fill. Allan and Angela in the studio sipping Fireball again. Opening talk about Angela's flower gardens around the compound at Monticello, prompting Allan to quote a passage from the bible about growing beautiful things. Then on to the abundance of rocks in Northern Maine and the different types and how Angela uses them in the gardens along with a lot of solar lights that she picked up for use in the gardens.

Phone call at 0010 from Mr. Transistor, Norm. Talk about rocks continues with Norm talking about the rocks he finds along the shores of Lake Michigan. Rocks are the jewels of the earth according to Allan.

Phone call finished, Allan started reading an article from a recent Radio World about digital noise on AM radio and the lack of proper audio processing on AM radio. Referred to it as a lost art. Long discussion about the methods of audio processing with several examples of equipment in use at the station for that purpose.

Reading of emails began at 0056 after Dr. Becker popped into the studio for a moment. Prayer at 0059 and the show was off the air at 0100. John, Mid-North Indiana`` (Glenn Hauser, OK, DX LISTENING DIGEST)

\*\* U S A [and non]. From the Isle of Music, July 1-7:

This week, our special guests are Chuchito ValdÈs and Juan Poch. We will discuss (and listen to) their newest album along with some excellent music by Orquesta Ritmicos de Palma, Orquesta Tìpica Juventud & Orquesta Hermanos AvilÈs.

1. For Eastern Europe but audible well beyond the target area in most of the Eastern Hemisphere (including parts of East Asia and Oceania) with 100 kW, Sunday 1500-1600 UT on SpaceLine, 9400, from Kostinbrod, Bulgaria (1800-1900 MSK)

2. For the Americas and parts of Europe, Tuesday 0000-0100 UT on WBCQ, 7490 from Monticello, ME, USA (Monday 8-9PM EDT in the US). This has been audible in parts of NW, Central and Southern Europe with an excellent skip to Italy recently.

3 & 4. For Europe and sometimes beyond, Tuesday 1900-2000 UT and Saturday 1200-1300 on Channel 292, 6070 from Rohrbach, Germany.

Uncle Bill's Melting Pot, Sun, July 1 & Tues, July 3, 2018

Episode 69 presents exotic vocal music from around the planet ñ throat singing, whispering songs, Roma scatting, eeping and other delights.

1. Sundays 2200-2230 UT (6:00-6:30 PM Eastern US) on WBCQ The Planet 7490 from the US to the Americas and parts of Europe

2. Tuesdays 2000-2030 UT on Channel 292, 6070 from Rohrbach, Germany for Europe. If current propagation conditions hold, the broadcast should reach from Iceland to Western Russia, Scandinavia down to North Africa and the Middle East, AND a long bounce to parts of New Zealand.

(William "Bill" Tilford, Owner/Producer, Tilford Productions, LLC,  
June 26, DX LISTENING DIGEST)

OTHERSW OTHERSW OTHERSW OTHERSW OTHERSW OTHERSW OTHERSW OTHERSW

\*\* U S A. 9475, WTWW Lebanon TN (presumed); 2112-2118+, 6/19; Pronely planted Pastor Pete Peters talking about being called a white supremacist & racist; said that the American people have been brain iwarshedî [sic]. S9-10 (Harold Frodge, Midland MI, USA, Drake R8B + 185' RW, ----- All logged by my ears, on my receiver, in real time & without the aid of a computer! -----, DX LISTENING DIGEST)

15809.9, UT Wed June 20 at 0051, WTWW-3 is on again with classic rock at S9+30, and so is WTWW-2 at same level; ham talk show is in progress at 0148 recheck. By now WTWW-3 is the OSOB, after CRI via Cuba cut off 15120 at 0055:48\*. No signal on 15810- at next check 0546, probably off (Glenn Hauser, OK, DX LISTENING DIGEST)

WTWW "FIELD DAY LIVE!" From WTWW website:

` `STARTING 2:00 PM Central  
9930 Daytime - 5085 Nitetime  
15.810 [sic] all day and evening

Call in for Field Day LIVE on International Shortwave!  
Saturday, June 23, 2018 on WTWW on 9930 KHz

Starting at 2 PM Central Daylight Time (7 pm/1900 UT) until 7 pm CDT (12:00 Midnight/0:00 UT) when we will then switch frequencies to 5085 KHz and go until whenever. We will also be on 15810 KHz during the duration.

Call in toll free at: 833-390-5085  
Promote The Ham Radio Hobby To The Entire World On A Powerful  
International Shortwave Radio Station - WTWW

BY Calling In From Your Field Location and Tell The World about it. Put the members of your Field Day group on the air by passing the phone around. Include special guests and your local city officials. Let's catch the excitement from the young kids and teens that are visiting your Field Day site. Let's talk to prospective hams that have gotten excited by watching your field day activities. If you can't get through on the first try to this number - you can leave a message and we WILL call you during the live show. You are welcome to leave a message by calling ahead of time as well! Let's give the world a shout from Field Day 2018!'' (via -- Richard Langley, June 23, WOR iog via DXLD)

9942.90 & 9917.10, June 23 at 2131, JBA spur carriers warn me that WTTW-2 is active on 9930, at S9+30. Ted had said he would be broadcasting for Field Day on this and 15810 in daytime, 5085 and 15810 at night, but now I am hearing classic rock music, banned from the real hambands.

15809.92, June 23 at 2133, soon however, canned ID in a non-Ted voice, for WTTW from an ``expansive field'', and back to music. 2134 Ted says it's Field Day 2018, more music. Apparently he is not getting enough phone-ins. 15809.92 is S9+10 and distorted unlike 9930. I do not check these later into stormy evening here, so wonder if FD preempted TOIT0 at 0104 UT June 24?

Field Day? It's one day per year when hams set up outdoors for publicity and to prove they can operate as if there were an emergency; are they allowed to plug into AC if available?? I think so. Besides that, goal is to work as many other hams as possible, altho not a DX contest. (Strangely enough I did not receive any notice about what the Enid ARC is doing for FD this year. Last year I don't recall any generators running.)

{W5HTK  
Enid Amateur Radio Club  
1800 S Van Buren  
Enid, OK  
GOTA: YES  
Talk-in: 444.825  
Contact: Vernon Sanders  
580 231 1375  
kf5cur@gmail.com per <http://www.arrl.org/field-day-locator> }

While WTTW was doing this, I checked the bands for real FD contacts, of which there were plenty on 20m, but nothing on 17 or 15, poor propagation, not even any Es in axion.

7270-LSB, Sunday June 24 at 1254, guess what, I hear W0ERH calling

``CQ Field Day``, so must really be \*Days\*. Exchanges a logging code as 4AKS, meaning he's in Kansas, but what means 4A? At 1310 check, 14 MHz band is crammed with Field Dayers.

9475, June 24 at 0602 with SFA ID, WTWW-1 is stuck on daytime frequency! Yet propagating OK in the nightmiddle at S9+10, 5830 silent. Ted must have been too distracted by Field Day stuff to remember to change frequency on the other transmitter after sundown. But 0636 recheck, 9475 is off, but so is 5830 still.

Furthermore, June 24 at 0634, no show of `Southern Talk in the Midnight` which had been appearing the past few weeks UT Sundays only at 05-07 on WTWWs 5085 & 15810v, both off the air tonight.

Further chex June 24 find \*all\* possible WTWW frequencies missing: at 1245, 1604, 1730 (Glenn Hauser, OK, DX LISTENING DIGEST)

\*\* U S A. Hi Glenn, June 20, found 5920 // 7385 (WHRI), at 0303, with the TV audio feed of the Rick Wiles/"TruNews" show.  
<https://www.trunews.com/stream/trunews-tuesday-june-19-2018>  
(Ron Howard, California, WOR iog via WORLD OF RADIO 1936, DX LISTENING DIGEST)

\*\* U S A. 7505v, June 20 at 0105, WRNO not on yet, but underway at next check 0146, not Rick Wiles. Apparently he is trying different SW stations; Ron Howard reports: [as above]  
(Glenn Hauser, OK, WORLD OF RADIO 1936, DX LISTENING DIGEST)

7505v, June 22 at 0634, WRNO is off, no signal. When on, it's often in English instead of Chinese.

7505v, June 23 at 0204 check, WRNO is off again tonight, an hour after it should have started.

7505v, June 24 at 0606, WRNO is back on tonight, S9+10 song in English, but with flutter! Indicating a propagation disturbance over this short, less than 1-megameter path. But WWV reported nothing unusual at 0600:

``Solar-terrestrial indices for 23 June follow.  
Solar flux 77 and estimated planetary A-index 16.  
The estimated planetary K-index at 0600 UTC on 24 June was 2.  
No space weather storms were observed for the past 24 hours.  
No space weather storms are predicted for the next 24 hours``

By 0900 the K-index was up to 3. Back to 2 at 1200 & 1500. Propagation remains suppressed daytime June 24, worsened here by slow-moving storms with exterior antenna mostly subjugated to interior random wire

(Glenn Hauser, OK, DX LISTENING DIGEST)

7505v, June 24 at 2210, WRNO is on way early, S9+25 with music and dead air, bits of music on and off, so perhaps testing. Second time I've caught them on a Sunday afternoon, long before nominal \*0100 sign-on, which they have also been missing sporadically (Glenn Hauser, OK, WORLD OF RADIO 1936, DX LISTENING DIGEST)

\*\* U S A. 3215, June 26 at 0638, WWCR-1 is still off, altho the current transmitter schedule claims it runs straight thru from 01 to 09 UT. All dated June 1, will the program schedule be more accurate? Yes, shows 3215 only until 0300\* except UT Monday to 0400\*.

Furthermore, WWCR-1 has blank entries for next frequency 15795 at 09-12 daily, programming not back on air until \*1200 on 15825. So much for the foreign language block in Russian, Arabic, which Ivo often reports. BTW, all frequencies are labeled in milliHertz instead of MegaHertz --- I don't think so (Glenn Hauser, OK, DX LISTENING DIGEST)

MW MW MW MW MW MW MW MW MW MW MW MW MW MW MW MW MW MW MW MW MW

\*\* U S A. 880, KLRG, AR, Sheridan ñ Format to REL (ex-GOS). Station is Silent (NRC AM Log Updates, AM Switch, NRC DX News July 2, published June 24 via DXLD)

\*\* U S A. SPECIAL TEMPORARY AUTHORITY (STA) --- STAs granted: 1020, KCKN, NM, Roswell ñ Granted STA with U4 1000/1000, on auxiliary transmitter after fire.

Stations informing the FCC that they are silent: 1020, KCKN, NM, Roswell ñ Silent June 11, transmitter fire, waiting for OK from fire inspector before using STA (as above). (David Yocis, AM Switch, NRC DX News July 2, published June 24 via WORLD OF RADIO 1936, DXLD)

\*\* U S A. 1110, June 21 at 1136 UT, with KFAB Omaha nulled, I am getting two other stations, one with S Asian songs, surely KVTI Mineral Wells (MetroPlex), and the other financial talk in English. Very few other 1110s around here, so this one fits best per NRC AM Log: KTEK Alvin TX (HoustonPlex), ``Business 1110``, 2.5 kW direxional daytimer, and per NRC Pattern Book conveniently aimed NNW right at us (and KVTI!). FCC map shows a broader but northerly pattern as necessary to cover Houston from Alvin. After KTEK fades down a little and I bring KFAB back, it's making a  $184/\text{minute} = 3.07 \text{ Hz}$  SAH with KVTI. KTEK's official June FCC sunrise is 1115 UT. On the longest day of the year I am awake two hours before I would prefer to be; Enid SR is 1114 UT, already creeping later since our earliest at 1113 UT a biweek ago (Glenn Hauser, OK, DX LISTENING DIGEST)

\*\* U S A. STATIONS GOING DARK --- 1290, WNBC, MS, Meridian ñ License revoked by the FCC; station filed for license renewal in February 2012 with an application isignedî by the owner, whom the FCC has learned died on January 25, 2011. The FCC was not amused (David Yocis, AM Switch, NRC DX News July 2, published June 24 via DXLD) Viz.:

WNBC-1290 license cancellation --- This is a pretty good one:

Federal Communications Commission  
Washington, D.C. 20554  
June 20, 2018  
In reply refer to: 1800B3-VM

Mr. Eddie J. Rackley, Administrator  
266 23rd Street  
Meridian MS 39301

Mr. Jimmie L. Hopson  
3815 10th Avenue  
Meridian, MS 39305

In re: WNBC(AM), Meridian, MS  
Facility ID No. 22294  
File No. BR-20120210ABF

Dear Mr. Rackley and Mr. Hopson:

This is in reference to the application for renewal of license for Station WNBC(AM), Meridian, Mississippi (Station), filed on February 10, 2012, putatively by the licensee, Frank Rackley, Jr. On or about February 29, 2012, the Commission, received information that Mr. Rackley had died. Public records show that Mr. Rackley died on January 25, 2011.' We note that the application for renewal of license did not indicate that Mr. Rackley had died, and has not been amended since its filing to update the licensee's status.

We hereby dismiss the application as improperly filed because the application for renewal of license was filed in Mr. Rackley's name over one year after his death without acknowledging his death or otherwise notifying the Commission in an amendment to the application. The Station's license therefore expired by its own terms on June 1, 2012. [footnote 2] Accordingly, File No. BR-20120210ABF IS DISMISSED.

The license for Station WNBC IS CANCELED.

Sincerely,  
Albert Shuldiner (1111  
Chief, Audio Division

Media Bureau (via David Yocis, June 21, nrc-am gg via DXLD)

This took over six years to figure out? (Shawn Axelrod, MB, ibid.)

Good excuse as any for them to give another Mississippi station a hard time (Steve Francis, Alcoa, Tennessee, ibid.)

As they should in this case, it seems like (Paul Walker, PA, ibid.)

\*\* U S A. 1540.056, June 21 at 1146, tell-tale het upon ESPN Deportes, i.e. KZMP University Park (MetroPlex) TX, the het surely from KGBC Galveston TX, which has been captured off-frequency-plus like this several times before (but sometimes on 1540.0 --- do they have two different transmitters?) Cannot pull any audio from it vs KZMP (and also KXEL), nor get a DF null on the hand-rotatable DX-398, but a DF peak at SSE/NNW which also fits for Galveston. KGBC's latest format is Tejano, ex-Oldies as of two months ago in NRC DX News.

1540+, June 22 at 1147 UT, about the same het as 24 hours earlier, i.e. KGBC Galveston off-frequency-plus (Glenn Hauser, OK, WORLD OF RADIO 1936, DX LISTENING DIGEST)

AM/FM AM/FM AM/FM AM/FM AM/FM AM/FM AM/FM AM/FM AM/FM AM/FM AM/FM

\*\* U S A. WORLD CUP 2018 BROADCASTS

There doesn't seem to be an English-language radio broadcast network in the United States for the 2018 FIFA World Cup soccer tournament, but games are broadcast in Spanish on the Fútbol de Primera (FDP) network:

<http://www.fdpradio.com/donde-escucharnos/> (6/22/2018)

710 KBMB-AZ  
810 WSYW-IN  
840 WRYM-CT  
850 KEYH-TX  
880 WIJR-IL KWIP-OR WMDB-TN  
900 WJWL-DE WCLM-MD  
910 KOXR-CA WOLI-SC  
970 KXTA-ID  
990 KTKT-AZ WMYM-FL  
1020 WLWJ-FL KMMQ-NE  
1030 WNOW-NC WGSF-TN  
1040 WURN-FL WSGH-NC  
1130 WLBA-GA  
1160 KCTO-MO  
1200 WRTO-IL  
1230 WESX-MA

1240 WNVL-TN KRDM-OR  
1250 KZER-CA  
1280 WTMY-FL  
1300 WBZQ-IN WJDA-MA WNQM-TN  
1310 WTIK-NC  
1320 WVNZ-VA  
1340 WWFL-FL  
1360 KKMO-WA  
1380 WWNT-NC  
1410 WRJD-NC  
1440 KTUV-AR WMVB-NJ  
1460 WQXM-FL WXEM-GA KZUE-OK KBZO-TX  
1470 WWBG-NC  
1480 KSBQ-CA WTOX-VA  
1490 KXLQ-IA KLNT-TX  
1500 WQCR-AL  
1540 KGLA-LA  
1600 KGST-CA WAOS-GA KTUB-UT  
1650 KSVE-TX

87.7 KFLZ-LP-TX  
91.1 KAQF-NM  
91.7 KOBH-NM  
92.1 KCMT-AZ KJMN-CO  
92.3 KIJN-FM-TX  
92.7 KRRN-AZ  
93.1 KRJN-CO  
93.7 KXZM-CA KXFS-TX  
93.9 KINT-FM-TX  
94.1 KLNO-TX  
94.5 KSEH-CA KTUN-CO  
94.7 KLOB-CA KYSE-TX  
94.9 KXTT-CA KQUR-TX  
95.5 KAIQ-TX  
95.7 KSEC-AR  
95.9 KXXZ-CA KZHM-NM  
96.1 KALN-NM  
96.3 WXNY-FM-NY  
96.7 KOYE-TX  
96.9 WFAJ-VA  
97.1 KTSE-FM-CA KBCQ-FM-NM  
97.5 KLYY-CA  
97.7 KCYI-LP-OK  
98.3 WFXO-AL  
98.5 KTJM-TX  
98.7 KZAM-TX  
99.1 KXTA-FM-ID  
99.7 KHLT-FM-KS



lottery, 1652 myohiohome.org, Old Navy; finally, ``45 minutes of Cleveland's best mix of R&B, 93.1 WZAK``, recorded on the camera:  
<http://www.w4uvh.net/WZAK-6-20-2018.mp3>  
27.5 kW H&V, 189m HAAT; distance: 1509 km = 934 mi

Knowing I have Cleveland, next check is 87.7 for WLFM-LP, and there is some music in Spanish, but not pursued again now.

90.3, June 20 at 1654, discussion of NPR vs Fox News, no doubt Cleveland's WCPN, 47.0 kW, 155 m HAAT. More below. 1509 km = 934 mi

90.7, June 20 at 90.7, same NPR show as on 90.3. Two NPR stations on 90.7 in OH: WNRK Norwalk, 4.0 kW, 124.0 m HAAT; and WGLE Lima, 50/46 kW, 128.0 m. Norwalk is closer to Cleveland. The program on WCPN sked for 12-2 pm ET is 'Here & Now'. Which one matches that? WGLE, as it relays WGTE's schedule, 91.3 in Toledo despite branding as ``FM 91``, which is impossible. But same H&N on WNRK which is a WKSU 89.7 Kent repeater. 1428 km = 887 mi from Norwalk; 1291 km = 802 mi from Lima

91.9, June 20 at 1656, network news, sounds like a gospel-huxter network. Not enough to go on.

94.1, June 20 at 1656, classical music; also at 1701. ONLY one in eastern NAM including Canada is: WBNI-FM, Roanoke IN, 3.4 kW, 100.0 m HAAT. It's in the NE corner of IN, not too far from OH, SW of Fort Wayne. 1198 km = 745 mi

96.5, June 20 at 1658, weather, ``Z 96-5, WAZY, noon!``. That's WAZY-FM, Lafayette IN, 50 kW H&V, 152 m HAAT, Slogan listed as ``Z 96.5``, but they did \*not\* utter the word ``point``. When I write it with a dash, I mean a pause. 1058 km = 657 mi. Recording:  
<http://www.w4uvh.net/WAZY-6-20-2018.mp3>

97.7, June 20 at 1659, program 'The Word Today', contact twr.org as in Trans World Radio. Since I just IDed Lafayette IN on 96.5, I would like this to be another one there, WTGO-LP, but it's only 0.1 kW, 28 m HAAT, ``CHRISTIAN CHR/ROCK`` i.e. mostly musical? There is also a 27-watt translator in Richmond IN that is ``CONTEMPORARY CHRISTIAN``.

Perhaps more likely is: WTGN, Lima OH, 6.0 kW H&V, 91.0 m HAAT, format ``religious teaching``. There are two other very low power OH on 97.7 with that listed format. WTGN has a detailed altho yearly, minute-by-minute program schedule,  
<http://wtgn.org/programs/monday-through-friday-programs/>  
and for 12:57 pm EDT weekdays: ``Footsteps Andy Napier, a two-minute daily feature revealing God on the move around the world``, not a match, but link to its website is at TWR! 1291 km = 802 mi

How about WTGO, only one call letter different? Search on that leads first to Harvest Chapel,  
<http://www.hclafayette.org/ministries/>  
but clicking on 97.7 WTGO-FM Radio Station goes to  
<http://www.wtgoradio.com> --- which is only in Chinese!! Squatter?

95.5, June 20 at 1700, ``Positive music throughout the day, 95-5 The Fish`` (or is that Ghoti?). There are three fishy stations on 95.5, in Hawaii, Cayman Islands and --- likely the one I have now: WFHM-FM, Cleveland OH, 31 kW H&V, 189 m HAAT, Soft Rock, Contemporary Christian, ``The Fish``. (Fish for Christian branding derives from a Greek acronym for ``Jesus Christ, Son of God, Saviour`` which happens to spell out ichthys which means fish. Thus also the stylized fish symbols on cars, advertising, etc.)  
<https://en.wikipedia.org/wiki/Ichthys>  
1509 km = 934 mi

94.5, June 20 at 1701 and 1705, bits of classical music in the CCI mix (not // 94.1). Only fit in eastern America, including Canada, besides some translators in VA, CT and NY is: WNED-FM, Buffalo NY, 94.0 kW H&V, 220.5 m HAAT. 1777 km = 1104 mi

[non] 91.9, June 20 at 1702, news mentions Prime Minister Trudeau without defining him as Canadian, so likely from Canada. There are 26 Ontarians on 91.9! But 18 of them are CIDE-FM aboriginal 10-watt relays in remote areas like Muskrat Dam. This sounds more like CBC Radio 1, which includes two medium-power satellites, the closest one to the OH/IN PTA being: CBEW-FM-1 Leamington 91.9, 10.45 kW H&V, 73.6 m HAAT, relaying CBEW-FM 97.5 in Windsor. 1457 km = 906 mi

88.3, June 20 at 1703, local Enid translator is getting some CCI

99.1, June 20 at 1706, ad for Trail-Blazers Rodeo, could be an Okie? No, search leads to Monticello IL, and the event is imminent:  
<http://www.pctrailblazers.org/Piatt-County-Rodeo.html>  
Now which of the 8 IL stations on 99.1 is close to Monticello? The only IL not an LP and not a translator, full power: WYXY, Savoy, 50 kW H&V, 152.0 m HAAT, ``Wixy Classic Country``, both in the Greater Cham/bana area. Shortest skip of the opening, all of IL being under some 700 miles from here: 935 km = only 581 miles

[WIXY [sic] is a boomer. They used to be here in Danville on 99.1 as WIAI but moved out when the economy went bust here. Eric Loy, Sports Director, Neuhooff Media Danville, WDAN D102 K-ROCK, who also got in on this major opening, not including Enid area stations; some others had weather radio DX on 162+ MHz, which means it may well have reached channel 7 TV 174-180]

94.5, June 20 at 1710, ``X-KR`` weather vs classical (WNED), Glass City Weekend, in Ohio: WXXR, Port Clinton, 30 kW H&V, 188.2 m HAAT, ``94.5 XKR TOLEDO'S CLASSIC ROCK`` --- 1411 km = 877 mi  
``Glass City`` is a nickname for Toledo, I have just learnt:  
<http://www.chicagotribune.com/lifestyles/travel/ct-trav-toledo-ohio-1022-story.html>

97.7, June 20 at 1711, ``97-7, Hits FM`` --- no exact hits on that slogan, but of all 97.7s there are two at least with Hits in their name in the PTA [probable target area]:

WTGV-FM 97.7 SANDUSKY MI, 3 kW H&V, 99.0 m HAAT ``GREATEST HITS OF THE 60'S 70'S & 80'S``; 1501 km = 933 miles, north of Detroit; and closer: WCLS 97.7 SPENCER IN, 6 kW H&V, 100.0 m HAAT, ``WCLS CLASSIC HITS 97.7``, 1028 km = 639 miles (Glenn Hauser, Enid OK, DX LISTENING DIGEST)

Hi Glenn, Hope you were able to take advantage of conditions yesterday [June 20]. Midwesterners had FM coming from all sides!

Here in Danville IL at CDT:

5:57 PM 97.7 KWUT Elsinore UT was IDed...

6:04 PM 92.3 WZPR Nags Head NC...

6:17 PM 97.3 KAML Gillette WY...

6:20 PM [96.9]CJXL Moncton NB...

6:27 PM 92.5 KBXI Billings MT over station 30 miles away...

6:28 PM 96.7 WKJX Elizabeth City NC...

6:37 PM 92.3 KQRQ Rapid City SD...

6:45 PM 101.5 KTNN Window Rock AZ...

7:03 PM 88.3 WPPB Southampton NY

among many. MD, NJ, RI, ON, TX, NM, CT among the other states heard over about a 3 hour period. Take care! (Eric Loy, Sports Director, Neuhooff Media Danville IL, WDAN D102 K-ROCK, June 21, DX LISTENING DIGEST) I missed the evening opening (gh)

\*\* U S A. WHAT JOURNALISTS CAN LEARN FROM THEIR LOCAL TV WEATHER FORECAST

Published 06/19/18 6:00 am Updated 06/19/18 10:15 am  
Jane Elizabeth, Director, Accountability Journalism Program at the American Press Institute @JaneEliz

Earlier this month, the American Press Institute presented an idea that we believe could help with two challenges confronting journalism: a continuing decline in trust by much of the public, and a lack of understanding about media and its functions.

We believe that if stories are built differently ó using forms that

follow a philosophy of *ishow me* rather than *itell me* with their audiences ó journalists could build news consumers' confidence in media and media savvy at the same time.

We came up with a name for this process/design: organic news fluency. We also wanted to find a good example that incorporated the questions, answers and presentation we'd like to see in every type of story.

But there have been examples of this for years, including one that many television viewers are familiar with ó in the first 15 minutes of your local news broadcast.

Meteorologists and weather reporters have understood for years, decades even, how to engage their audiences with a topic that can be full of science jargon and fraught with uncertainty. . . [illustrated]

<https://www.americanpressinstitute.org/fact-checking-project/what-journalists-can-learn-from-their-local-tv-weather-forecast/>  
(via Blaine Thompson, Indiana Radio Watch via John Carver, DXLD)

\*\* VATICAN [non]. 11875, June 20 at 1230, VR IS, very poor and opening scheduled Russian for a semihour as in Aoki/NDXC, via Tinang, PHILIPPINES. Attention gospel huxters of all ilx other than RCC: you are equally entitled to acquire airtime on IBB facilities anywhere as long as the USG is cool with violating Separation of Church and State! (Glenn Hauser, OK, DX LISTENING DIGEST)

\*\* YEMEN [non]. SAUDI ARABIA PUTS RADIO TO WORK IN YEMENI CONFLICT  
AM, FM and shortwave radio all play roles in these military broadcasts  
Hans Johnson Jun 15, 2018  
<https://www.radioworld.com/global/saudi-arabia-puts-radio-to-work-in-yemeni-conflict>

Saudia [sic] Arabia opened a new front in the civil war in Yemen with the launch of Determination Radio (Ithai Huna Al-Azm) last September. The troop-supporting station is the latest initiative in a cross-border conflict taking place on air, sea and land.

Station Director Ayman Al-Radadi [caption]

Determination Radio is a service of the country's Ministry of Culture and Information and is implemented by the Saudi Broadcasting Corporation, or SBC. Coming on the air with the slogan, *'The Voice of Truth,'* opening ceremonies included a cake-cutting attended by various dignitaries. The director of the station is Ayman Al-Radadi.

The station's audience is the Saudi military deployed in the country's

southern border provinces of Jizan and Najran, according to Saudi media reports.

rwf-shortwave-Logo [caption]

Determination Radio airs both recorded and live programs in Arabic, with at least some of the shows originating from studios in Jizan. The station started out with 12 hours of daily programming, but expanded it to 24 hours after a few months.

Programs include iSouthern Shield,î iSouthern Pulse,î iThe Homeland Unites Us,î iPeaceful Kingdomî and iYemen Through the Eyes of Its Sons.î At least two programs are devoted to explaining whom the troops are fighting: iPiratesî and iThe Spiderís Web.î

Determination Radio is an all-band radio station. On AM, they transmit on 549 kHz from the seaside border town of Jizan with 1 kW and from Najran with 747 kHz with 10 kW. These outlets previously carried the SBCís General Program.

The station announces a number of FM frequencies. There are two in Jizan province, one on 107 MHz in Farsan, a town in a group of islands in the Red Sea, and another in the mountain resort of Fifa on 99 MHz. In Najran province, they are on 107 MHz in Khubash. The previous status and transmitter powers for these outlets is not known. An additional transmitter on 94.9 MHz broadcasts from South Dhahran with 100 kW and previously carried Radio Jeddah.

The opening ceremony for the stationís launch.  
Courtesy ajel.sa [caption]

#### SHORTWAVE TRANSMISSIONS

Shortwave is transmitted on 11745 kHz in the 25 meter band. The shortwave frequency is apparently for those outside the coverage of the AM and FM frequencies. Depending upon the time of day, either the site at Riyadh or the Al-Khumra site in Jeddah is used, but which site is used at which time is not public knowledge.

The most likely transmitter to be used at Al-Khumra would be one of the 250 kW Continental transmitters installed in 2011. At Riyadh, there are a number of high-powered transmitters that could be used with powers up to 500 kW. Directional curtain antennas are used at both sites.

Determination Radioís shortwave setup has advantages and disadvantages. A single shortwave frequency in use 24 hours per day certainly makes for easier branding.

A map of Yemen [caption]

It can also be easier for listeners who will never have to re-tune their radios. Choosing a frequency in the middle of a broadcast band ensures that all shortwave sets will be able to tune into the frequency. Having said that, a shortwave station employing a single transmitter will typically use different frequencies depending upon the time of day and year in order to optimize reception in the target area. Some stations use multiple transmitters operating on different frequencies to maximize coverage.

Stations using shortwave for international broadcasting also ideally coordinate their frequency selection through the High Frequency Coordinating Conference. Working through the HFCC can minimize possible interference from other stations that might want to use the same or adjacent channels.

A station announcer    Courtesy ajel.sa [caption]

When Determination Radio started in late 2017, 11745 kHz was an excellent selection, coordination-wise. The frequency was an open channel, that is, no other stations were using it. Although the Saudis register their other services, they did not do so with Determination Radio. This left the impression that the frequency was not in use. Now some other stations have started to use the frequency at certain hours, resulting in potential co-channel interference to Determination Radio.

The station also announces that they are on Arabsat 5, a satellite used extensively by Saudi Arabia for television and radio services.

Saudi Arabia is supporting its troops with this new service. With long-broadcast hours, much original programming, and a massive all-band effort, this is an extensive and expensive operation. Even though we are almost a quarter into the 21st century, radio broadcasts can remain the most important means of communication in a crisis.

Hans Johnson wrote in 2012 about Robert Williams and his Cuba-based broadcasts in the 1960s targeting blacks in the U.S. south.

RADIO SANA'A: THE WAR'S OTHER MYSTERIOUS SHORTWAVE STATION

Radio Sana'a is the shortwave station of the Saudi-backed Yemeni government, but the capital city is no longer controlled by the government. It is the only shortwave outlet connected to Yemen that is on the air.

The station started broadcasting in November 2015. Programs are produced in Aden, according to a press report. The country's only known high-powered shortwave site near Sana'a is also not under government control. There are also severe power shortages in Yemen, so setting up a shortwave station from another location in the country would be extremely difficult.

So where is this mysterious station coming from? Whoever is carrying the programs has spare shortwave transmitter capacity and the funds to operate it 24 hours a day. The Saudis have both. The pattern of frequency management is similar to Determination Radio with a single frequency in the middle of the 25 meter band (11860 kHz) for the entire 24 hour schedule.

Radio Sana'a was also reported in the press as being on the Badr 4 satellite in addition to shortwave. An examination of programmers on Badr 4 shows a listing for SBC with 'Yemen Radio' as one of the sub-channels. There would not be much of an audience for Badr 4 in power-starved Yemen, but it would be an excellent way to feed programs produced in Aden to a transmitter site in Saudi Arabia. And if the Saudis are willing to carry them on satellite, then why not the shortwave as well?

All indications are that the secretive Radio Sana'a is coming from Saudi Arabia. By Hans Johnson (via Richard Langley, WOR iog via DXLD)

SAUDI ARABIA, Reception of BSKSA Al-Azm Radio and Republic of Yemen Radio, June 22:

from 0625 on 11745 JED or RIY / unknown to N/ME Arabic BSKSA Al-Azm Radio, very good

from 0655 on 11860 JED or RIY / unknown to N/ME Arabic Rep.of Yemen Radio, very good

<http://swldxbulgaria.blogspot.com/2018/06/reception-of-bsksa-al-azm-radio.html>  
(Ivo Ivanov, SWLDBulgaria News, June 22, DX LISTENING DIGEST)

\*\* ZAMBIA [and non]. Voice of Hope Africa/KCBS Pyongyang

Hello Sir, greetings from Southern California! Been able to pick up the voice of hope africa 11680khz Lusaka Zambia for a few weeks now. Today UT Tuesday 0532 has been the strongest signal yet. 44544 / Chris Gordon's Abounding Grace Radio. Full ID at 0600, the signal is strong enough to cover the noise floor allowing KCBS P'yongyang (typical classical music Korean chanty music) to be heard under, yet the slight interference to VOH. Mostly grayline path (their early morning) for 25m and the 315 beam is reaching west coast USA very good. Although today's propagation forecast was "poor" a good signal was received; you never know. 73 de (Luis H. Esquivel, June 26, DX LISTENING DIGEST)

UNIDENTIFIED. 5961.581, June 23 at 0617, JBA carrier with trace of modulation. What's this? Fades completely out and in; remeasured a bit later gets it on 5961.552. No broadcasters known around here, so probably spur, and likely out of 5970 WEWN Spanish transmitter, in which case there could be a match on the plus side circa 5978.4 --- maybe, but too much jamming from 5980 against not-yet-on Radio Marti to be sure. Correlates with longstanding spurs parasiting WEWN English when on 15610, audiblized when fundamental gets a boost by sporadic E (Glenn Hauser, OK, DX LISTENING DIGEST)

UNIDENTIFIED. 6165, June 23 at 0613, JBA carrier, must be something other than RHC --- but, nothing scheduled now in EiBi, Aoki/NDXC, nor HFCC, not even some ChiCom in their daytime. Would like to imagine Chad reactivated! Or maybe it's really RHC on exciter only, greatly reduced power. Other English frequencies now:  
6100, S9/S9+10, undermodulated  
6060, S9+10/20, good modulation as usual but with off-frequency ZY het  
6000, S9+10/20, moderate modulation  
(Glenn Hauser, OK, DX LISTENING DIGEST)

UNIDENTIFIED. Test transmission with BaBcoCk Music on 9955, June 25: till 1045 on 9955 unknown kW / unknown to unknown target, weak signal [https://www.youtube.com/watch?v=O\\_ES1lRayew&feature=youtu.be](https://www.youtube.com/watch?v=O_ES1lRayew&feature=youtu.be)  
(Ivo IvanŮv, SWLDBulgaria News, June 25-26, DX LISTENING DIGEST)

WRMI skedgrids show 9955 with an extra hour on Sundays only, 1000-1100 containing Yeshua, I Love Italy, and Viva Miami --- but June 25 was Monday (Glenn Hauser, DX LISTENING DIGEST)

UNIDENTIFIED. FM Skip 18th of June --- Around 6:15 PM [EDT = 2215 UT] started picking up Spanish on 98.5, 101.5, and 103.1. On 103.1 at 210 degrees a man in Spanish at 6:30 PM [2230z] said, Nacional and Buenos Aires and also mentioned M'sica. I Googled it and found out there is a 103.1 Radio Uno FM 103.1, Buenos Aires, Argentina so it could have been them (Roy Barstow - Falmouth, MA, June 19, WTFDA gg via DXLD)

That would be one fantastic 4 or 5- multi-hop sporadic E catch, 8569 km = 5325 miles. More like 175 degrees from him (gh, DXLD)

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UNSOLICITED TESTIMONIALS  
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ACKNOWLEDGED ON WORLD OF RADIO 1936:

Note from Henning Vahlbruch:

On March 13, 2018, Dr. Helmut Vahlbruch passed away unexpected after a short but severe illness at the age of 72. He lived in a small town in lower Saxony, Germany, and used to work as physicist but had a broad diversity of interests. One of his favorite was the short wave radio.

To tune in was his daily passion. He supported this matter for decades, by listening, archiving and writing books about frequencies and stations. Free unfiltered, first hand information for everybody everywhere was a huge concern for him.

Dear Glenn, Helmut Vahlbruch was a great fan and lover of your work. For many reasons, shortwave radio and the preservation of shortwave were very important to him. The shortwave radio was his lifelong passion, which occupied him every day and often also at night.

Helmut was co-author of the book "Sender und Frequenzen", which was published every year in Germany. Every Saturday he followed your show and archived it in a recording. Maybe you remember he sent you every Christmas a greeting via PayPal.

Our beloved husband and father, Dr. Helmut Vahlbruch, died in March 2018 after a short and serious illness at the age of 72. In Germany it is common to give flowers and wreaths for funerals, but instead we asked for a donation in favour of your project "World of Radio", which Helmut appreciated so much. So we send you a last greeting from him and hope that it will help you to keep up your work for a long time to come.

It is for sure his wish, that the great work of you, Mr. Glenn Hauser will go on! The family misses him in great sadness.

Kind regards, Family Vahlbruch from Gestorf / Hannover in Germany  
(Sent by Henning Vahlbruch, with a very generous contribution via PayPal to woradio at yahoo.com)

TO BE ACKNOWLEDGED FUTURELY:

Enjoy your show Wednesday @ 5:00 PM East Coast time on WBCQ. Always fresh being produced on Tuesdays now. Thanks for the entertainment and info. All the best from the Tippecanoe River in Indiana. Ramsey (James Reynolds, with a contribution via PayPal to woradio at yahoo.com)

One may also contribute by money order or cheque in US funds on a US bank to: Glenn Hauser, P O Box 1684, Enid OK 73702

LANGUAGE LESSONS

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SAH?

Hi Glenn, What's SAH and how does it work (your comments on 570 below refer)? [18-25, log of USA: KLIF vs WNAX:]

``570, June 2 at 1800 UT on caradio, pronounced SAH of 200/minute, or three-and-one-third Hz, between KLIF Dallas and always-there-by-groundwave understation, WNAX Yankton SD.

Per the MW Offset list at  
<http://www.mwlist.org/mwoffset.php?khz=570>  
570 569,9970 USA KLIF (Dallas, TX) 2010-08-29  
570 570,00078 USA WNAX (Yankton, SD) 2018-03-22

i.e. KLIF 3 Hz low as of almost 8 years ago, and WNAX recently 0.78 Hz high, so a fairly good match to my measurement. City-to-city distance Yankton-Enid: 722 km = 449 statute miles; from the SE corner, the only SD station making it here on daytime GW (Glenn Hauser, OK, DX LISTENING DIGEST)``

I also see you refer to "statute miles". That opens a whole can of measurement worms! There is of course only one statute mile. 73  
(/Andrew Brade, England, DX LISTENING DIGEST)

Hi Andrew, Surprised you are unfamiliar with SAH - subaudible heterodyne, which I have been referring to forever, and goes back decades at least in the National Radio Club over here. A het so close of only a few Hz you cannot hear it, other than as fading rate, but easily counted and converted to Hz. In fact, I wrote a piece, ``Yes, SAH`` long ago maybe still available as an NRC reprint. Beyond that I don't know how to explain it more clearly than in my 570 report.

Only one? Statute miles (on land, commonly called ``miles``) are to draw a distinction from nautical miles, which distancefromto also provides. 73, (Glenn to Andrew, via DXLD)

MUSEA  
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FIRST SHIP-TO-SHORE BROADCAST, PUT-IN-BAY, OHIO

<http://www.midwestguest.com/2014/05/first-ship-to-shore-broadcast-put-in-bay-ohio.html>

"...most people don't know the tale of Dr. Lee de Forest who made history at Put-in-Bay in 1907 by broadcasting race results from a boat in the harbor to an assistant near the spot the during the Annual Inter-Lakes Yachting Association's annual Regatta. That broadcast

helped cement de Forest's reputation as iThe Father of Radio" and helped lead to many of the communication channels we take for granted today."

Plus a link to a 1948 film produced by AT&T "Bottle of Magic". Thanks to Kreigh KE8EAL via Lowell ARC and Grand Rapids ARA email groups (via Jack Amelar, MARE Tipsheet 22 June via DXLD) ---++==oo0oo==++--

#### CONVENTIONS & CONFERENCES

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#### MADISON-MILWAUKEE DX GET-TOGETHER:

It is almost time for this year's Madison-Milwaukee DX Get-together and this one is a milestone edition! The 25th annual Madison-Milwaukee Get-together for DXers and Radio Enthusiasts will be held on Saturday August 18 from 1:00 to 9:30 PM CDT. This year's location is Madison WI and, like two years ago the venue is beautiful and spacious Lake Farm County Park (4330 Libby Road, Madison WI 53711). Your hosts are Mark Taylor and Bill Dvorak, and we would be very pleased if you joined us in celebration of our long history. Interested? For more information or an invitation, e-mail Bill at dixerak@gmail.com or Mark at markpik@gmail.com (please include "Madison DX Get-together" in the subject line).

Participation by NRC members is strong every year for this event, and this year should be no exception. We hope you can join us! See you on August 18! (NRC DX News July 2, published June 24 via DXLD)

#### Madison-Milwaukee DX Get-together:

It is almost time for this year's Madison-Milwaukee DX Get-together and this one is a milestone edition! The 25th annual Madison-Milwaukee Get-together for DXers and Radio Enthusiasts will be held on Saturday August 18 from 1:00 to 9:30 PM CDT. (Come when you can, leave when you must.) This year's location is Madison WI. Like two years ago, the venue is beautiful and spacious Lake Farm County Park (4330 Libby Road Madison 53711). Your hosts are Mark Taylor and Bill Dvorak. We would be very pleased if you joined us in celebration of our long history. Interested? For more information or an invitation e-mail Mark at markopik@gmail.com or Bill at dixerak@gmail.com (please include "Madison DX Get-together" in the subject line). Participation by NASWA members is strong every year for this event, and this year should be no exception. We hope you can join us! See you on August 18! (Mark Taylor, NASWA Flashsheet June 24 via DXLD)

2018 IRCA CONVENTION SEPTEMBER 7-8

The 2018 IRCA convention will be held at the Best Western Plus Charles Inn in St Charles MO on September 7 and 8 2018. The hotel is located at 1425 S Fifth Street in St Charles, NW of I-70 exit 229B, or the first exit west of the Missouri River, eight miles west of the Lambert St Louis International Airport.

The room rate is \$104.99 a night for either a standard king or two queens. The phone number to call the hotel directly to make reservations for that weekend is (636) 946-6936 or toll-free at 1-888-274-0988. When calling to make the reservation, you must mention the code IRCA to get the rate. There is a block of 30 rooms reserved at that rate for each night for your choice of a single or double bed, your choice. Reservations must be made by August 7 2018. One note, if all the rooms for this block sell out, then the meeting room at the hotel will be complementary [sic].

Registration for IRCA members is \$0; registration for non-members is \$25 per person with free breakfast. There will be a tentative radio tour of KCLC FM 89.1 at Lindenwood College in St Charles as well as another possible radio tour and a possible tentative radio tower visit. The annual Banquet is out of pocket and at Culpepper's, just down the street from the hotel at 3010 W Clay St, St Charles MO 63301 --- burgers, catfish, broccoli Alfredo pasta, chicken strips, etc. ñ <https://www.culpeppers.com/Home>

Your host for the convention is Ken Hawkins. You can either email him at [StLouisHerdFan@gmail.com](mailto:StLouisHerdFan@gmail.com) or you can call him on this cell phone at (636) 577-4295. Registration and auction items can be sent to 4034 San Fernando Ln, St Charles MO 63304-2829.

Make your plans and reservations now for the 2018 IRCA convention as this will probably be one of the best! All DXers are welcome!

This year's IRCA convention will be an excellent chance to re-connect with old friends and to share DX stories. Speaking of sharing, we issue our annual call to action for those who wish to present a talk or paper during the convention. As you know, this can be as formal or informal as you want. To make it easier, we can provide you with audio-visual support, including slide-preparation and display. If you're interested in sharing your experiences --- or if you want to present questions for discussion that might lead to a better understanding of a particular aspect of your own DXing, please contact Mark Durenberger at [Mark4@durenberger.com](mailto:Mark4@durenberger.com) (IRCA DX Monitor June 30, published June 26, via DXLD)

DX-PEDITIONS  
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DEXISMO E RADIOESCUTA LOGS, FOTOS E VÍDEOS 2 MINI ENCONTRO DX DE MATO

GROSSO EM NOVA XAVANTINA - MT

Dexistas: Ivanildo Gonçalves & Daniel Wyllyans

RXs: Tecsun PL 660 & Yaesu FRG 8800

Antenas: Beverages simples fios de cobre e aÁo e telescópica.

QTH principal: Sítio Estrela do Araguaia - Nova Xavantina - MT Brasil

<https://dxbrazilsw.blogspot.com/2018/06/dexismo-e-radioescuta-logs-fotos-e.html?m=1>

Vídeos de parte das escutas:

<https://www.youtube.com/channel/UCnEatwEHssHMo9VaS7YupkA>

Abaixo as escutas anotadas de ondas médias e ondas longas.

171 kHz Radio Medi 1 Marrocos Locutor comentários 0104 UT 19 Junho 2018 (Daniel Wyllyans)

183 kHz Europe 1 via Alemanha Locutor e Locutora comentários 0117 UT 19 Junho 2018 (Daniel Wyllyans)

225 kHz Portadora de Sinal Polónia 0109 UT 19 Junho 2018 (Daniel Wyllyans)

234 kHz RTL Louxemburg Locutor comentários local 0115 UT 19 Junho 2018 (Daniel Wyllyans)

530 kHz Somos Radio - Argentina Comentários Comentários voz de homem 19 Junho 2018 2358 HTC (Daniel Wyllyans)

620 kHz UNID Locutora em Espanhol 0039 UT 19 Junho 2018 (Daniel Wyllyans)

720 kHz Radio Pai pu ku - Paraguay Locutor comentários 0050 UT 19 Junho 2018 (Ivanildo Gonçalves)

770 kHz UNID Locutora em Espanhol 0041 UT 19 Junho 2018 (Daniel Wyllyans)

1080 kHz Radio Monumental - Paraguay Locutor comentários 0026 UT 20 Junho 2018 (Daniel Wyllyans)

1300 kHz Radio La Decana Juliaca - Peru Músicas regional ,locutores comerciais 0218 UT 20 Junho 2018 (Ivanildo Gonçalves) e (Daniel Wyllyans)

1300 kHz UNID Bolívia e Peru Radio La Decana 1300 AM Juliaca (2 Rádios) Comentários Voz de Homem e Mulher Músicas " La voz Peruana"

Música Boliviana (Ivanildo Gonçalves) & (Daniel Wyllyans) 0031 UT 19 Junho 2018

1310 kHz Radio Nacional Gualaguaychu - Argentina Locutora identificação 0140 UT 20 Junho 2018 (Ivanildo Gonçalves) e (Daniel Wyllyans)

1400 kHz Harbour Light of the Windwards from Carriacou, Grenada Locutor comentários gospel 0106 UT 20 Junho 2018 (Ivanildo Gonçalves) e (Daniel Wyllyans)

1500 kHz Radio 2000 Cumana - Venezuela músicas local 0050 UT 19 Junho 2018 (Daniel Wyllyans)

1510 kHz HCHD - 2 Estacion Horaria Guayaquil Equador BIPs 0253 UT 20 Junho 2018 (Daniel Wyllyans) e (Ivanildo Gonçalves)

1510 kHz Radio Belgrano - Argentina Espanhol locutor comentários 0306 UT 21 Junho 2018 (Ivanildo Gonçalves) e (Daniel Wyllyans)

1540 kHz Radio Bahamas - Nassau Bahamas Locutora comentários em Inglês 0055 UT 20 Junho 2018 (Daniel Wyllyans)

1540 kHz UNID Bolivia musicas Boliviana "Carnavalito" 0126 UT 19 Junho 2018 (Ivanildo Gonçalves)

1560 kHz Radio Luz del Mundo - Cochabamba Bolivia Locutora comentários gospel "Radio Luz del Mundo" "Cochabamba" 0054 UT 19 Junho 2018 (Daniel Wyllyans) (Ivanildo Gonçalves)

1566 kHz TWR Benin - Africa Locutor em idioma regional músicas 0340 UT 20 Junho 2018 (Daniel Wyllyans)

1570 kHz Radio Bethel Lima - Peru Espanhol com pregação evangélica 0017 UT 19 Junho 2018 (Ivanildo Gonçalves) e (Daniel Wyllyans)

1575 kHz Radio Farda Música ;rabe SINPO 23111 - 17 Junho 2018 2226 UT (Daniel Wyllyans)

1580 kHz Verdad Radio - Bogotá Colúmbia Músicas "Verdad Radio" 0134 UT 19 Junho 2018 (Daniel Wyllyans) e (Ivanildo Gonçalves)

1590 kHz UNID Bolívia? Música Boliviana? Locutor comentários 0149 UT 20 Junho 2018 (Ivanildo Gonçalves) e (Daniel Wyllyans)

1600 kHz Emissora Continental - Uruguay Locutor comentários Comercial 0031 UT 20 Junho 2018 (Daniel Wyllyans)

1610 kHz Radio El Sol - Arequipa Peru Músicas local (Daniel Wyllyans)  
e Locutor com comentários (Ivanildo Gonçalves) 0010 UT 19 Junho 2018

1620 kHz UNIDS Argentina Músicas e Locutores 0015 UT 19 Junho 2018  
(Daniel Wyllyans) e (Ivanildo Gonçalves)

1630 kHz Unidad Argentina Locutor comentários 0136 UT 19 Junho 2018  
(Daniel Wyllyans) (Ivanildo Gonçalves)

1640 kHz UNIDS dos Estados Unidos várias rádios e locutores 0453 UT 20  
Junho 2018 (Daniel Wyllyans)

1645 kHz NDB MLZ Petrobrás - Brasil BIP CW 2359 UT 20 Junho 2018  
(Daniel Wyllyans)

1660 kHz Radio Faro de Santidad Locutor comentários gospel música 0139  
UT 19 Junho 2018 (Daniel Wyllyans) e (Ivanildo Gonçalves)

1670 kHz UNID Estados Unidos Locutor comentários em inglês 0441 UT 20  
Junho 2018 (Daniel Wyllyans)

1680 kHz Radio Santa Fé - Argentina Locutor comentários gospel 0004 UT  
21 Junho 2018 (Daniel Wyllyans) e (Ivanildo Gonçalves)

1690 kHz CHT0 Canadá VS UNID dos Estados Unidos Música grega do Canadá  
VS Locutor em Inglês dos USA 0443 UT 20 Junho 2018 (Daniel Wyllyans)

1700 kHz Fox Sports Radio VS UNIDS Radios USA Vários locutores de  
várias rádios falando em Inglês e música. 0448 UT 20 Junho 2018  
(Daniel Wyllyans)

1710 kHz Radio Selva - Argentina Música 0450 UT 20 Junho 2018  
(Daniel Wyllyans) e (Ivanildo Gonçalves)

Bloco de notas anotação 2

580 kHz Radio Univercidad - Argentina Locutor comentários 0025 UT 22  
Junho 2018 (Ivanildo Gonçalves)

590 kHz Radio Ycuamandyy Paraguay programa religioso música gospel  
2245 UT 22 Janeiro 2018 (Ivanildo Gonçalves)

590 kHz UNIDS da Argentina e Uruguay e também Equador? Bolívia?(4  
Radios) Locutores comentários músicas e Música Quechua? 2252 UT 22  
Junho 2018 (Ivanildo Gonçalves) e (Daniel Wyllyans)

710 kHz Radio Diez - Argentina Locutor comentários 2239 UT 22 Junho  
2018 (Daniel Wyllyans)

730 kHz Radio Cardinal Paraguay Locutor coment.rios 2312 UT 22 Junho 2018 (Daniel Wyllyans)

780 kHz Radio Primero de Marzo Asunci n - Paraguay Locutor coment.rios Noticias 2242 UT 22 Junho 2018 (Daniel Wyllyans)

800 kHz Radio Transmundial Bonaire locutor "Transmudial" Progama gospel 0058 UT 22 Junho 2018 (Daniel Wyllyans) e (Ivanildo Gon alves)

920 kHz Radio Nacional do Paraguay Locutor coment.rios sobre habitacion 2245 UT 22 Junho 2018 (Ivanildo Gon alves) e (Daniel Wyllyans)

970 kHz UNID Paraguay Locutora 2226 UT 22 Junho 2018 (Daniel Wyllyans) e (Ivanildo Gon alves)

980 kHz Radio Mburucuy  - Paraguay Locutor coment.rios Noticias 2250 UT 22 Junho 2018 (Daniel Wyllyans)

990 kHz Radio Splendid Argentina Locutor coment.rios 2316 UT 22 Junho 2018 (Daniel Wyllyans)

1000 kHz Radio Mil - Paraguay Locutor coment.rios "Paraguay" M sica 2301 UT 22 Junho 2018 (Daniel Wyllyans)

1420 kHz UNID Paraguay? Locutores coment.rios em espanhol 1033 UT 23 Junho 2018 (Daniel Wyllyans)

1480 kHz Radio America Asunci n Paraguay Progama gospel locutora 1106 UT 22 Junho 2018 (Daniel Wyllyans)

1655 kHz NDB SANTO Bips CW 0016 UT 21 Junho 2018 (Daniel Wyllyans)

1640 kHz Radio Hosana - Argentina 0019 UT Prega o gospel 20 Junho 2018 (Ivanildo Gon alves) e (Daniel Wyllyans)

1700 kHz Radio Mega Estados Unidos em Franc s Coment.rios por locutor 0005 UT 21 Junho 2018 (Daniel Wyllyans) e (Ivanildo Gon alves)

1725 kHz NDB PYW Petrobras Bips CW 0026 UT 21 Junho 2018 (Daniel Wyllyans (Wyllyans, June 24, DX LISTENING DIGEST)

COOK ISLAND DXPEDITION, AUSTRALIA/NZ LOGGINGS & MP3'S (ALL 96 OF THEM)

As reported previously, the salt water-enhanced propagation from Aitutaki island to New Zealand was outstanding every evening after local sunset, resulting in over 100 Kiwi MW-DX recordings made during

the Cook Islands trip. Australian signals ruled at sunrise, however, as a collection of Oz talk-format pest stations on 567, 594, 693, 918 and 1566 did their best to make it a challenge to track down exotic South and Southeast Asian DX on their frequencies.

All of the following stations were received with the hand-held 7.5" loopstick C.Crane SSB Ultralight radio alone, which was more than sensitive enough to track down scores of Kiwi and Oz stations every evening on the lagoon beach next to our motel. The master plan during the trip was to check all the MW frequencies in the evening after sunset, splitting up the frequencies to cover in pre-planned DXing sessions every evening. That worked fairly well until my wife discovered some special Polynesian dinner offers on the last two days, causing some of the higher frequencies to be foregone in favor of South Pacific luaus and Cook Maori dancing entertainment. As I watched the Maori fire dancing, it seemed like my master plan to cover the band was going up in smoke.

531 2PM Kempsey, Australia, 5 kW Dominant during most sunrise sessions, but pretty wimpy in the evening. Here it was with call-in talk on the SRN network (// 639) at 1627 on 4-10  
<https://dreamcrafts.box.com/s/dt3qb3g23xzqjnn6crszt7x5xajmiby>

531 4KZ Innisfail, Australia, 10 kW Occasionally dominant around sunrise, but usually under 2PM. This recording at 1559 on 4-10 has mentions of Innisfail at 20 and 23 seconds, a 4KZ promo, and "4KZ National News" at 1:21 in the MP3  
<https://dreamcrafts.box.com/s/bo65gzy106b6p3mf0gju4xhq14pgizig>

\*\*\*531 More FM Alexandra, NZ, 2 kW Despite its rare reputation on the west coast the low-powered station had no trouble making itself heard each evening in the Cooks. Here it is with typical modern rock music at 0714 on 4-9, with a choppy, sandwiched "More FM" Yankee-accented female ID (also typical) at the 6 second point  
<https://dreamcrafts.box.com/s/dapiipgz0y3fcgkwqyg163zlr6l46h56>

531 PI Auckland, NZ, 5 kW Usually in a snarl with Kiwi co-channel More FM each evening, this Samoan language broadcaster was sometimes dominant in the sunrise sessions, such as at 1633 on 4-10 (over 2PM's call-in talk)  
<https://dreamcrafts.box.com/s/v7vd48wj50wh850xzqwdde60nguomfmi>

540 Rhema Taranaki/ Christchurch, NZ, 2/ 1 kW) Usually covered by Samoa's 2AP in the evening, it had a clear shot during the sunrise sessions before the Samoan sign on, such as at 1603 on 4-9 (with Rhema ID at 40 seconds)  
<https://dreamcrafts.box.com/s/niou2j8yrtih0ntgyu59a0bwdyyisnfo>

\*\*\*549 TAB Trackside Radio Hawkes Bay, NZ, 1 kW For some reason this low powered horse racing station ruled the frequency each evening, although there were higher powered NZ and Oz co-channels. This recording at 0733 on 4-10 features an entire horse race at a strong level, along with a musical break  
<https://dreamcrafts.box.com/s/udp96gpbxvdu26wrvbgy2ri224pps64h>

558 Radio Sport Invercargill, NZ, 5 kW Barely audible (under a thunderous Radio Fiji One) with Yankee-accented Fox Sports News relay at 1624 on 4-10, this station always had a very rough time with the Fiji co-channel  
<https://dreamcrafts.box.com/s/pue1kl4p7uvohelwt5hdr45jbjp0aau3>

\*\*\*567 RNZ National Wellington, NZ, 50 kW With a relatively wimpy west coast signal after its old tower was demolished, the station sounded far more energetic in the Cooks. Here was parliamentary news at 0717 on 4-10  
<https://dreamcrafts.box.com/s/y4uy1yjnfvg5kboq7e1celolmrkysd33>

\*\*\*576 2RN Sydney, Australia, 50 kW A real blaster every morning around sunrise, it usually wiped out any chance of hearing something exotic on the frequency, such as at 1619 on 4-13  
<https://dreamcrafts.box.com/s/bkwh5w1vg3xufbe63f3yefbaav7afvlg>

576 Star Hamilton, NZ, 2.5 kW If 2RN didn't wipe out the frequency during the sunrise sessions then the "Dwarf Star" usually would. Here it was in a relatively equal mix with the Oz big gun at 1618 on 4-13  
<https://dreamcrafts.box.com/s/x1od4xf71d9nxpgzpz21h7sqvevretiw>

585 7RN Hobart, Australia, 10 kW Usually in a mix with a presumed 2WEB in the evening, the station was easy to ID with its 576 parallel, such as at 1607 on 4-9 with female and male speech in an RN network program  
<https://dreamcrafts.box.com/s/43n8cxjbesp75bk6t63tedovm3pkfo7h>

585 Radio Ngati Porou Ruatoria, NZ, 2 kW A Kiwi Maori station with legendary weakness, on the west coast it has only been heard at Rockwork 4 (where it has now been MIA for 3 years). In the Cooks it was barely audible, such as at 1610 on 4-9 (with the 603-Waatea parallel playing "In the Misty Moonlight" for the first 3 seconds, followed by the same music way under 7RN from the rare station, and finally the 603-Waatea parallel again at the 35 second point). The parallel check was only successful on one out of four attempts, with the wimpy signal usually MIA  
<https://dreamcrafts.box.com/s/ayxdvibx0u0hpecasdx9xuqd4pu6bwod>

585 UnID-Oz This station received at 0738 on 4-9 was not // 576,

and was also not // 603, so most likely it was David Sharp's "Outback Radio," 2WEB in Bourke. It was usually in a running battle with 7RN each evening in the Cooks

<https://dreamcrafts.box.com/s/8768a9n9y3wf1libz51yi1lqj2pkhla04>

\*\*\*594 3WV Horsham, Australia, 50 kW This was another huge blaster during sunrise sessions, wiping out any chance at Southeast Asia. In tandem with the Star network, the Oz big gun plastered anything weak, such as at 1629 on 4-13

<https://dreamcrafts.box.com/s/89kmg1goez1eh251jbtvf0u625t4lm93>

594 Star Timaru/ Wanganui, NZ, 5/ 2 kW The Christian hymn network dominated in the evenings, but lost out to the Oz big gun at sunrise. This weather report was received at 1622 on 4-13

<https://dreamcrafts.box.com/s/z54n53zsf262e5d10jmcdegqz2yatzhrr>

\*\*\*603 Radio Waatea Auckland, NZ, 5 kW The strongest of the Maori language stations in the Cooks, it provided a convenient parallel signal to check for the wimpy 585 Maori station. This was its typical (S9) strength at 0737 on 4-9, with Maori language conversation

<https://dreamcrafts.box.com/s/s2hrnllo4jy6khhbw1cegqpeym0gbhq0e>

603 UnID-Oz One of the Australian ABC stations was mixing with Radio Waatea at 0752 on 4-10, but a parallel check wasn't made at the time because Radio Waatea was being used for a parallel check with 585 at that moment

<https://dreamcrafts.box.com/s/xwj9crbo6bhtyn6nx7tiuhp9hd2xdb1l>

630 4QN Townsville, Australia, 50 kW Oz big gun was easy to hear in the null of Radio Cook Islands' open carrier at 1500 on 4-12 with trumpet fanfare and ABC news at the TOH; it was also easy copy in RCI's null (with RNZ) every evening

<https://dreamcrafts.box.com/s/ceiaw26agqd4h15jv0j0xipexd7oryy6>

630 RNZ Hawkes Bay, NZ, 10 kW 5+1 time pips and female announcer mixing with 4QN in the null of Radio Cook Islands' open carrier at 1500 on 4-12; this station was the dominant co-channel of RCI in the evening

<https://dreamcrafts.box.com/s/ceiaw26agqd4h15jv0j0xipexd7oryy6>

639 2HC Coff's Harbour, Australia, 5 kW Local ads (mentioning the suburb "Umarra" at 1:08) and "100.5 FM, 639 AM" ID at 1:18

<https://dreamcrafts.box.com/s/cgv1vb0g8twz4vl6j8660hdjj53d1mmx>

657 Star Wellington/ Tauranga, NZ, 50/ 10 kW A real powerhouse with its Christian programming each evening, its signal tapered off somewhat around sunrise, allowing Pyongyang and AIR (Kolkata) to sneak through on 4-12. This signal (at 1651 on 4-12) starts off with the

Asians nulled for a few seconds (after AIR had hit its peak), with Star's Irish-accented preacher hitting an S9 level briefly  
<https://dreamcrafts.box.com/s/3o4kd9pkall7oyrzzhy0n2hnx3o8ypfx>

675 RNZ Christchurch, NZ, 10 kW Another evening powerhouse with a traffic report during the rush hour at 0630 on 4-12  
<https://dreamcrafts.box.com/s/o7fldq2j27j3xdpfmwn7yienzn11kq9l>

693 3AW Melbourne, Australia, 5 kW This was the major pest for Bangladesh reception (and much more troublesome than Radio Sport). This recording of the "Overnight Australia" program at 1703 on 4-10 was during a mix with news from Bangladesh, and features multiple promotions (initially) for the 3AW smart phone and the 3AW app (I don't think I'll apply for these!)  
<https://dreamcrafts.box.com/s/39r5556vdg04sasruqfqgqkyr8wkm7v>

693 Radio Sport Dunedin, NZ, 5 kW Usually dominant around 1600 daily, only to lose out to 3AW and Bangladesh as 1700 approached. This Yankee-accented program (Fox Sports News relay) was at 1608 on 4-10  
<https://dreamcrafts.box.com/s/e921kcqxno63geffbqi3t6hq97l31vey>

702 2BL Sydney, Australia, 50 kW The Oz big gun had a rough time going up against Kiwi Magic in the Cooks. Here it was at almost equal strength (with male-female conversation under Magic's "See You Later, Alligator") at 0740 on 4-9  
<https://dreamcrafts.box.com/s/j4xkzd773528d4ekr3ibjw184j5hev0i>

702 Magic Auckland, NZ, 10 kW Magic's flagship station ruled the frequency each evening, with awesome signals around the Kiwi sunset, such as at 0730 on 4-10 with this very creative oldies song medley ID  
<https://dreamcrafts.box.com/s/n0bnhm6yay3w0nwbfi7mez8foxuo7tvb>

729 Radio Sport Whangarei, NZ, 3 kW Dominant over a real crowd at 1648 on 4-13 with Yankee-accented Fox Sports News relay  
<https://dreamcrafts.box.com/s/ykyl4b029h1xynq0vea1w8ttz0nk7peh>

738 2NR Grafton, Australia, 50 kW Dominant over Magic (a pretty rare occurrence in the evening) at 0745 on 4-9 with male speech  
<https://dreamcrafts.box.com/s/synliotkd983zc7ch57rcx84xwsuwuwas>

738 Magic Christchurch, NZ, 5 kW The usual sunset skip leader on the frequency, with strong music // 702 over 2NR at 0731 on 4-10  
<https://dreamcrafts.box.com/s/vp58j5scujemjzn59ua6tebzk7c56awl>

756 RNZ Auckland, NZ, 10 kW This was one of the strongest RNZ signals each evening, although for some reason it never was recorded. Usually at equal strength with its 567 and 675 parallels.

765 Radio Kahungunu Hawkes Bay, NZ, 2.5 kW This Maori-language overachiever was competitive with its 603 parallel on most evenings, but like 756-RNZ accidentally went unrecorded (most likely due to an unscheduled Polynesian dinner).

774 3L0 Melbourne, Australia, 50 kW The Oz big gun was a potent presence during most sunrise sessions, such as at 1611 on 4-9 (booming in over NZ's Radio Sport)  
<https://dreamcrafts.box.com/s/krxsxdkps64zblnm0m0wuoeivqmp4yd>

774 Radio Sport New Plymouth, NZ, 5 kW Yankee-accented Fox Sports news relay almost at equal strength with 3L0 at 1612 on 4-9, but usually way under the Oz big gun around sunrise  
<https://dreamcrafts.box.com/s/5xqrmwv1n3866u2rotzxq9oa3wa4o8lz>

792 4RN Brisbane, Australia, 25 kW Not very impressive for the power level on most mornings, usually in a lackluster mix with NZ's Yankee-accented Radio Sport (such as at 1614 on 4-9, playing music // 576) <https://dreamcrafts.box.com/s/eg72jxaf03tdxu4l70vbg52231ixckn5>

792 Radio Sport Hamilton, NZ, 5 kW Dominant over a weak 4RN with Fox Sports News relay at 1615 on 4-9  
<https://dreamcrafts.box.com/s/6pdsb8j64gdm7882rwh1jhy8eixkco2>

810 2BA Bega, Australia, 10 kW Female speech // 774 (along with RNZ and a possible KGO) at 0850 on 4-10  
<https://dreamcrafts.box.com/s/1opl0zzodp01jhbfu2sv2o0fzqyttqhd>

810 RNZ Dunedin, NZ, 10 kW Male speech // 819 in a three station mix at 0850 on 4-10; co-channels were 2BA and a possible KGO  
<https://dreamcrafts.box.com/s/1opl0zzodp01jhbfu2sv2o0fzqyttqhd>

819 RNZ Tauranga, NZ, 10 kW Strong signal all alone with male conversation // 810 at 0848 on 4-10  
<https://dreamcrafts.box.com/s/qa751yhhwxlosyi1po1zgqdrbzd7e047>

828 TAB Trackside Radio Palmerston North, NZ, 2 kW You can almost smell the horses as the low power TAB Trackside leaves the Aussie 3GI way down in the dust at 0835 on 4-10  
<https://dreamcrafts.box.com/s/t73cumjyelggta9dgk94nyu23lv3wzol>

828 3GI Sale, Australia, 10 kW Female and male speech // 774 way under NZ's TAB Trackside at 0835 on 4-10  
<https://dreamcrafts.box.com/s/t73cumjyelggta9dgk94nyu23lv3wzol>

837 RNZ Whangarei/ Kaitaia, NZ, 2.5/ 2 kW Male speech // 819 in a mix with 4RK at 0840 on 4-10  
<https://dreamcrafts.box.com/s/nx22gapusqquzotjoo873l7itbm9hkv>

837 4RK Rockhampton, Australia, 10 kW Female speech // 774 in a mix with RNZ at 0840 on 4-10  
<https://dreamcrafts.box.com/s/nx22gapusqquzotjoo873l7itbm9hkv>

846 Newstalk ZB Masterton, NZ, 2 kW The usual co-channel in the null of Radio Kiribati (on Christmas Island), it was at a fairly strong level with female and male speech // 1035 at 0833 on 4-10  
<https://dreamcrafts.box.com/s/4lxbwj5239ug4rsdwzju2k7136zv7h67f>

855 Rhema Hamilton, NZ, 2 kW "Focus on the Family" promo and commercial ads at 0830 on 4-10, followed by the "Focus" program in Yankee-accented English  
<https://dreamcrafts.box.com/s/s0xxgxqg94043ycr861gijkaotgjltw3>

864 Newstalk ZB Invercargill, NZ, 10 kW Modest signal with female speech // 1035 over a weak co-channel at 0827 on 4-10  
<https://dreamcrafts.box.com/s/1385lej7f82qu2wc61bfxn1dsbabzwwj>

873 UnID-DU Three DU English stations mixing at 0826 on 4-10, all receiving a salt water enhancement boost to the point where they succeed in creating mass confusion. Probably a mix of Newstalk ZB, TAB Trackside and an Oz station  
<https://dreamcrafts.box.com/s/aw9dn1m2bw39sbwflb4dagenutr95ksi>

882 Star Auckland, NZ, 10 kW S9 signal all alone and // 909 with female speech at 0825 on 4-10  
<https://dreamcrafts.box.com/s/n2y76kxspboqnm5bcs2otv3xc3q8i45p>

891 4TAB Townsville, Australia, 5 kW Pounding in at a winning level at 0821 on 4-10, featuring a bizarre "When You're After Your Mate" ad at 28 seconds, complete with a gambling addiction hotline number. Meanwhile 891-Wellington was left in the dust, barely showing up at the end of the race  
<https://dreamcrafts.box.com/s/2t7mn5m32326z3drhyta6dtwnx4y3t5z>

891 Magic Wellington, NZ, 5 kW The anemic music station was under 4TAB (as usual) in this recording at 0822 on 4-10, the Kiwi oldies station was losing the horse race with 4TAB every evening  
<https://dreamcrafts.box.com/s/24833qhi3ta0rp284700h85d6tgtm9sr>

900 Coast Whangarei, NZ, 2.5 kW Oldies format dominating over Star for most of this recording at 0819 on 4-10  
<https://dreamcrafts.box.com/s/nj1lytafh2dj2fervb0itouzrppdefrx8>

900 Star Dunedin, NZ, 10 kW Dominating over Coast at the end of this recording at 0820 on 4-10 with female speech // 909 (includes a brief 909 segment)

<https://dreamcrafts.box.com/s/nj1ytafh2dj2fervb0itouzrppdefrx8>

909 Star Hawkes Bay, NZ, 5 kW Awesome S9 signal with female Kiwi speech at 0818 on 4-10; this was the preferred Star frequency for parallel checks every evening

<https://dreamcrafts.box.com/s/nrs8b2xto0tkzxrdx8icqtae9qo13335>

The Christian format station was also a powerful presence every sunrise session, such as at 1618 on 4-11

<https://dreamcrafts.box.com/s/cgde7y1n3p9w2l11xd16tjge5fd4jooi>

918 RNZ Timaru/ New Plymouth, NZ, 2.5/ 2 kW Fair level with male speech // 567 at 0812 on 4-10

<https://dreamcrafts.box.com/s/78f0cf7mjhy66cjb5uryhtw0n2hzsym0>

918 UniD-Australian "Midnight, with Merv Starr" program intro at 1702 on 4-12 (30 seconds into the following recording). Strangely, the two eastern Oz station websites indicate that both should be music-oriented

<https://dreamcrafts.box.com/s/dlhcf700ou82hf7unqw1bn026m7bci52>

Note: The 918 kHz frequency was one of the more interesting in this group. It received a lot of attention because of Cambodia on the frequency, which finally broke through with its National Anthem on April 12th. One single MP3 contained the Cambodian anthem, Shandong in China, bizarre "Cuckoo Clock" time pips at the 1700 UTC and a mix of two DU English stations after that -- one of which was the "Midnight, with Merv Starr" program on an Oz talk station, which remains unidentified. The other DU English signal on the frequency was the RNZ duo from Timaru and New Plymouth, which routinely showed up in the evening sessions. After hearing Nick's opinion about the "Cuckoo Clock" time pips at 1700 UTC --- at 1:41 in Chuck's reworked MP3, posted at

<https://dreamcrafts.box.com/s/qams92h5ktn7ki93u3qlvbzvy13y8rru>

I agree with Nick that they are most likely the Shandong 5+1 time pips alternating with the 5+1 time pips from RNZ, and not echoes from the Shandong multi-transmitter system, as originally thought.

927 4CC Gladstone, Australia, 5 kW Presumed the one with a rock format dominating over Newstalk ZB at the earlier part of this recording at 0807 on 4-10

<https://dreamcrafts.box.com/s/8zjzilbrxolz4azgz1xqoblx8neu7pd>

927 Newstalk ZB Palmerston N., NZ, 2 kW Male speech // 1035 dominating over a presumed 4CC at the end of this recording at 0808 on 4-10 <https://dreamcrafts.box.com/s/8zjzilbrxolz4azgz1xqoblx8neu7pd>

936 Chinese Voice Auckland, NZ, 1 kW One of the major surprises

of the DXpedition, with awesome signals every evening. This TOH recording at 0800 on 4-10 features a Chinese ID, station promos and website information

<https://dreamcrafts.box.com/s/jp8cmpqmmxbjm6bruj601g5y0i4j66f5>

936 UnID-Australian Mixing with Chinese Voice at 0731 on 4-9 with DU English, most likely 4PB in Brisbane

<https://dreamcrafts.box.com/s/0o7oo6i4nd6wunsncdsxs516r3wkyiji>

945 Newstalk ZB Gisborne, NZ, 2 kW Good signal // 1035 with sports news at 0758 on 4-10

<https://dreamcrafts.box.com/s/7dl3volkdjwq4u9wa8eygb166a115lah>

954 UnID-DU A single station all alone with news at 0756 on 4-10, but just not enough content to identify

<https://dreamcrafts.box.com/s/crippbcbus3gw6g27yc767f4nqf3md7m>

963 Star Christchurch, NZ, 10 kW Strong signal // 909 with ID at the 10 second point, followed by Christian music

<https://dreamcrafts.box.com/s/ltk43q3f8gkj60zwyvbw1fe27zk0ercb>

972 UnID For some reason this frequency was overlooked in the evening, but an apparent DU English co-channel was mixing with HLCA's Korean at 1632 on 4-12 with a talk format-- most likely Rhema, in Wellington

<https://dreamcrafts.box.com/s/rsjxq9ara77rrvdeg4f1dnn5fh9jgs1b>

981 RNZ Kaikohe, NZ, 2 kW Female-voiced news // 567 at good level at 0723 on 4-10

<https://dreamcrafts.box.com/s/0lx9tfev0eq7qe9vj054mu60kw1oxthq>

990 TAB Trackside Nelson, NZ, 1 kW In a fairly good horse race with Fiji Gold at the start of this recording at 0712 on 4-10, only to fold to Melissa Etheridge in the clutch

<https://dreamcrafts.box.com/s/devsen4lrp2pul0m92m0r638yb6yj79i>

1008 4TAB Brisbane, Australia, 10 kW Dominating over Newstalk ZB with live horse racing at 0752 on 4-10

<https://dreamcrafts.box.com/s/oqks7pabb5rjj96eb04c49n5iseb16xv>

1008 Newstalk ZB Tauranga, NZ, 10 kW Dominating over 4TAB with male-voiced news // 1035 at 0753 on 4-10

<https://dreamcrafts.box.com/s/c1qk2124yuu2hhf0cwaqjjg3ev3w6q31>

1017 Radio Sport Christchurch, NZ, 2.5 kW The major co-channel of A3Z in Tonga, it could usually be isolated simply by nulling out Tonga. This was the case at 0723 on 4-10, with sports-related news from the Kiwi station in the null of S9 Tonga

<https://dreamcrafts.box.com/s/4yaczeqnvcdqyv6pyuog77071rh2uifx>

1026 Newstalk ZB Kaitaia, NZ, 2 kW Pretty good signal from the 2 kW station with male conversation // 1035 at 0738 on 4-10  
<https://dreamcrafts.box.com/s/6tjlvks46ygt3q8zo92768d2vcrtra1y>

1035 Newstalk ZB Wellington, NZ, 20 kW Usually very strong on the frequency each evening, but a little off at 0737 on 4-10 with male conversation about gender-changed athletes  
<https://dreamcrafts.box.com/s/zbrxgjj5cyvi1xow8nedzv9aoie2x7cq>

1044 Newstalk ZB Dunedin, NZ, 10 kW Male conversation // 1035 about gender-changed athletes at 0739 on 4-10  
<https://dreamcrafts.box.com/s/0arbh5wji31myv9vn46r29d07qjgbi8a>

1053 Newstalk ZB New Plymouth, NZ, 2 kW Great signal for the power level with (once again) male conversation // 1035 about gender-changed athletes at 0740 on 4-10. Newstalk ZB has this part of the band almost monopolized  
<https://dreamcrafts.box.com/s/15b7t03n2w5y03tfoqoyk0u2xrms6pzz>

1062 Radio Sport Wanganui, NZ, 1 kW Sports play-by-play with good signal for the power level at 0742 on 4-10  
<https://dreamcrafts.box.com/s/9h4ib0fg3in4xnnfqw6ue00zqi3o6lbk>

1071 TAB Trackside Ashburton, NZ, 1 kW Believed to be the Kiwi-accented station at the end of the recording at 1700 on 4-13 under the dominant UnID Australian (thanks to Bryan Clark for accent assistance)  
<https://dreamcrafts.box.com/s/4zu1wp0eykwxyy3598w45dtpjirs5nif>

1071 UnID Australian Mention of "Melbourne" at the 18 second point, but no definite ID clues at 1700 on 4-13  
<https://dreamcrafts.box.com/s/4zu1wp0eykwxyy3598w45dtpjirs5nif>

1080 Newstalk ZB Auckland, NZ, 10 kW Powerful signal at 0745 on 4-10 with sports-related news over very weak co-channel (KWAI in Hawaii?)  
<https://dreamcrafts.box.com/s/f8lqy6xhvv56fdsyauyebt1t28w1xcsp>

1089 Radio Sport Palmerston N., NZ, 2.5 kW Sports play-by-play // 1062 at 0746 on 4-10  
<https://dreamcrafts.box.com/s/chasv9jgq78avz0gsgsl2760p3b0l707>

1098 Newstalk ZB Christchurch, NZ, 5 kW The usual co-channel of V7AB in the Marshall Islands, it could usually be isolated by nulling V7AB, as in this strong recording // 1035 (with the gender-changed athlete discussion) at 0749 on 4-10  
<https://dreamcrafts.box.com/s/cidqz29yfbvsfqe3xn2e3v5e11tppudt>

1107 Radio Live Tauranga, NZ, 1 kW Talk-format station all alone at 0750 on 4-10 with good signal for the power level  
<https://dreamcrafts.box.com/s/ixt6fum9c0eejx979eps4i1h7pwmzg4k>

1116 UnID-DU A mix of a strong UnID music station (RNZ?) and a probable 4BC from Brisbane at 0752 on 4-10  
<https://dreamcrafts.box.com/s/a5pe6fmk17tnr90zlh4irjx2j36xld9>

1125 Radio Sport Hawkes Bay, NZ, 1 kW Great signal for the low power with local ads and promo for shared sports program on sister network Newstalk ZB at 0753 on 4-10  
<https://dreamcrafts.box.com/s/wp65skhg3czwx2sk1i1yzu8k4j5wz1lb>

1143 RNZ Hamilton, NZ, 2.5 kW Great signal with music and speech // 567 at 0754 on 4-10  
<https://dreamcrafts.box.com/s/b2f1mcjbzek1s2147rm2scj1m25nbqeo>

1152 Newstalk ZB Timaru, NZ, 2 kW Good signal all alone with male conversation // 1035 at 0756 on 4-10 regarding (once again) gender-changed athletes  
<https://dreamcrafts.box.com/s/hpf4368fgakui2ivax59ms8pfpnpibww>

1161 Radio Te Upoko o te Ika, Wellington, NZ, 5 kW Good signal // 603 with Maori language speech at 0750 on 4-10; a parallel segment on 603 is included at the end of the recording. On some evenings this station would be wiped out by 1160-KSL in Salt Lake City  
<https://dreamcrafts.box.com/s/glyd7t60c5ihz1v9hrydblks1kd36524>

1377 Radio Sport Levin/ Kapiti, NZ, 2 kW Local ads and a promo for Commonwealth Games sport coverage at 0803 on 4-11  
<https://dreamcrafts.box.com/s/n10gl1ok4wg4feo69ve999dknb982wde>

1386 Radio Tarana Auckland, NZ, 10 kW The Kiwi big gun pounded in with female-voiced local ads in English and male Hindi speech at 0806 on 4-11  
<https://dreamcrafts.box.com/s/9a3myg4nwwzptp2jckmdn1po2datmpdax>

1395 Newstalk ZB, Oamaru, NZ, 2 kW Good level with female-voiced news and male-voiced ID at 1:10, with promo of Commonwealth Games sport coverage at 0810 on 4-11  
<https://dreamcrafts.box.com/s/tiesp5tmnigghdog2spx1zxxfxbese86>

1404 Rhema Invercargill, NZ, 5 kW Another good signal with Christian music and local ads at 0813 on 4-11  
<https://dreamcrafts.box.com/s/qoxlo02gy396wp5weocmnrmdx3ev2kfi>

1413 Newstalk ZB Tokoroa, NZ, 2 kW Male-voiced news // 1035 at

0819 on 4-11

<https://dreamcrafts.box.com/s/td3jhm3ad49uaoiuagzea4zk7r8xbtry>

1440 Radio Te Reo O Tauranga Moana, Tauranga, NZ, 200 w In one of the more bizarre moments of the entire trip, the 200 watt Maori station hijacks the frequency from Radio Kiribati at the 50 second point in the following recording (at 0807 on 4-11)

<https://dreamcrafts.box.com/s/2jpcqtl11odzjbrxak8u00brzpq2uba>

1449 RNZ Palmerston N., NZ, 2.5 kW Strong signal with female-voiced news // 567 at 0837 on 4-11

<https://dreamcrafts.box.com/s/40nmrktl0qgcawrx2iwwjwdcziqop7pez>

1458 RNZ Westport, NZ, 400 w Amazing signal (for 400 watts) with female-voiced news // 1449 at 0841 on 4-11

<https://dreamcrafts.box.com/s/9ewn2baonkqjcirnux6toly2m06ccr0q>

1476 Trackside TAB Auckland, NZ, 5 kW Horse payout report followed by live race at 0843 on 4-11

<https://dreamcrafts.box.com/s/ekhhx7xmuoteg8p0w4v1r3d5xqd4x4m5>

1485 Trackside TAB Gisborne, NZ, 1 kW Good level with horse racing results at 0846 on 4-11

<https://dreamcrafts.box.com/s/ja3gihauxre7kxxeqe1hvmp05t9u5gx>

1494 Radio Sport Timaru, NZ, 2.5 kW Commonwealth Games soccer coverage (NZ-Australia) mixing with Star's Christian music at 0849 on 4-11 <https://dreamcrafts.box.com/s/6hihjntpnhr02lihpc1dx4rhwrbt6v29>

1494 Star Hamilton, NZ, 2.5 kW Christian vocal music under Radio Sport's soccer coverage at 0849 on 4-11

<https://dreamcrafts.box.com/s/6hihjntpnhr02lihpc1dx4rhwrbt6v29>

1566 3NE Wangaratta, Australia, 5 kW This was the major pest blocking any attempts at reception of India. The "Australia Overnight" program ID at 1:40 (and Rick Springfield's music prior to that) are at typical strength

<https://dreamcrafts.box.com/s/qdch9evwszf8h0sei1t7gd6x0lhfkvh8>

1566 UnID-DU During a rare fade in 3NE's obnoxious signal at 1641 on 4-12 an attempt was made to record a mix of two other DU English stations, possibly the 100w Norfolk Island and 200w 4GM. This was the wacky result (in a mix with HLAZ's Chinese)

<https://dreamcrafts.box.com/s/hysvrh4f7i8u16f3740ch5azam0iervx>

1701 Radio Brisvani Brisbane, Australia, 100 w Presumed the one with South Asian music at 1645 on 4-12

<https://dreamcrafts.box.com/s/6pmsgn2a89jlr3savncx0axkkigicotx1>

All loggings made with a 7.5" loopstick C.Crane Skywave SSB portable  
<https://dreamcrafts.box.com/s/oeph12ru7ejk31saxdq2tijqx9db0ros>

73 and Good DX, (Gary DeBock (DXing on Aitutaki, Cook Islands), June 22, nrc-am gg via DXLD)

[\*\*\* No explanation here of what this means by certain frequencies; originally \*\* but that's reserved for something else in DXLD --- gh]

#### APRIL 2018 COOK ISLAND ULTRALIGHT DXPEDITION ARTICLE

About 11 years ago John Bryant conducted an all-out DXpedition on Easter Island in the Pacific, deploying multiple 500 foot beverages and chasing DX with total freedom, whenever he wished. He received transoceanic DX from around the world, demonstrating the awesome potential of ocean-enhanced propagation on an isolated Pacific island.

Of course there was no way to duplicate John's outstanding achievement with ultra-compact Ultralight gear that was all designed to fit inside a single hand-carry suitcase, but I was convinced that the new TSA-friendly FSL antenna could be a real thriller if it was deployed at a similar location-- Aitutaki island in the Cook group, about 2,600 miles due south of Hawaii.

I would be traveling to the gorgeous South Pacific island with my wife, who of course expected this anniversary trip to be worthy of the awesome scenery. As such DXing time would need to be somewhat limited, although I knew that sunrise sessions would be possible every day, along with evening sessions about 2 hours after sunset. So it was with some anticipation that we both boarded the 9.5 hour flight on Air New Zealand from LAX to Rarotonga.

So how much transoceanic DX can someone expect with a hot-rodded pocket radio and a 5 inch (13cm) diameter FSL antenna, chasing exotic MW stations as a secondary priority during a busy South Pacific vacation? As it turns out, the results were the hobby thrill of a lifetime! India, Bangladesh, Mongolia and Cambodia were all received on MW around sunrise, and despite the inability to chase DX around sunset, stations like 1000-Radio Record (Sao Paulo, Brazil) and multiple North Americans showed up two hours later. Exotic Pacific island stations like 630-RCI and 990-Fiji Gold pounded in, and over 100 Kiwi DX recordings were made. Full details are contained in the 20 page DXpedition article posted at the link below, containing multiple photos, narrative and 145 transoceanic DX MP3 links for stations in Asia, the Pacific islands, North and South America, Hawaii, NZ and Australia

[http://www.mediafire.com/file/rcsss62udssl9js/April\\_2018\\_Cook\\_Island\\_Ultralight\\_DXpedition-final.docx/file](http://www.mediafire.com/file/rcsss62udssl9js/April_2018_Cook_Island_Ultralight_DXpedition-final.docx/file)

73 and Good DX, (Gary DeBock (in Puyallup, WA, USA), June 25, nrc gg via DXLD)

DIGITAL BROADCASTING --- DAB See BELGIUM  
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DIGITAL BROADCASTING --- DTV See MEXICO; OKLAHOMA  
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DIGITAL BROADCASTING --- DRM See KUWAIT; NEW ZEALAND; UK  
+++++

RADIO EQUIPMENT FORUM  
+++++

EXPERIMENTS LOOK TO LEVERAGE LOW-LATENCY HF TO SHAVE MICRO-SECONDS OFF  
TRADE TIMES

<http://www.arrl.org/arrlletter/?issue=2018-06-21>

Experimental operations now under way on HF appear aimed at leveraging low-latency HF propagation to shave microseconds from futures market trades and gain a competitive edge in a field where millionths of a second can mean winning or losing.

On June 18, Bloomberg reported on a secretive antenna facility near Maple Park, in Kane County, Illinois, and speculated that futures traders might be looking to take advantage of lower-latency HF propagation over state-of-the-art microwave links and undersea cables, where even the slightest path delay could compromise a transaction. The facility is not far from a major futures data center.

As the Bloomberg article explained, "Rapidly sending data from there to other important market centers can help the speediest traders profit from price differences for related assets. Those money-making opportunities often last only tiny fractions of a second."

Radio amateur Bob Van Valzah, KE9YQ, said in a May blog post that he recently stumbled onto the first evidence of HF radio futures trading at a site in West Chicago, Illinois.

There, he spotted HF log-period dipole arrays on a pole, and a microwave dish he determined was aimed at a Chicago Mercantile Exchange (CME) data center. Additional research led him to the antenna facility in Maple Park, which also sported a microwave dish apparently

aimed at the CME data center. Two approximately 170-foot towers on the site support a directional wire array for HF. Van Valzah is a performance engineer on leave from the high-frequency -- no pun intended -- trading field.

Bloomberg said the company behind the Kane County project is New Line Networks, LLC, a joint venture of Chicago-based Jump Trading, LLC, and New York-based Virtu Financial, Inc. While no FCC Part 5 Experimental license appears to have been assigned to New Line Networks, WH2XV0 is assigned to partner Virtu Financial, which assumed the license from Services Development Company LLC.

Sites listed on the license are Aurora and Chicago, Illinois, in addition to Homer, Alaska, and Secaucus, New Jersey ó home to several financial firms and right across the Hudson River from many more in New York City. Part 5 Experimental license WI2XAJ has been assigned to Toggle Communications, which is using the West Chicago site and appears to be experimenting with a similar system from other sites. Other entities may also be conducting similar experiments.

The Experimental-licensed systems use a variety of frequency shift-keying modes, including FSK, AFSK, QPSK, and 8-PSK, on frequencies ranging from about 6 MHz to 24 MHz and power levels from 20 kW ERP to nearly 50 kW ERP, depending on the Experimental license in question. Van Valzah pointed out in his blog post that, while HF is low bandwidth, unreliable, and expensive, "you can't beat it for [low] latency." ARRL reached out to the point of contact listed on the WH2XV0 application but has not heard back (From The ARRL Letter for June 21, 2018 via Jack Amelar, MARE Tipsheet 22 June via DXLD)

#### PROPAGATION

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#### MONO VS STEREO RANGE ON FM

Stumbled onto a change this morning, I found Polski FM broadcasting on the 640 AM station in Peotone, Illinois. I decided to hear if it was still on 99.9 also. It wasn't, 99.9 from Park Forest is now WHYI, which is carrying Bible Broadcasting Network programming. Station was formerly WCPQ, carrying Nine FM from Chicago (with their odd mix of Polish all day, Progressive talk in the evening, and hot dance music at night). (Curtis Sadowski, Loda, Illinois, June 19, WTFDA gg via DXLD)

WYHI 99.9 Park Forest, Illinois --- Yep, Polski FM made the switch to BBN more than a week ago (how sad). Up here in West Michigan, since the switch, it has been a regular and actually quite often getting in the way of Live 99.9. BBN is 178 miles from here. My guess is that

perhaps they switched to mono from stereo and therefore travel much further? I am not close enough to confirm that fact of course, but it seemed weird that it was an on/off catch before and is now audible nearly 24/7 here, even when things are more or less dead (-Chris Kadlec, Fremont, Mich., June 19, WTFDA gg via DXLD)

Stereo by itself doesn't reduce the range of an FM signal, though.

The idea behind "mono = longer range" goes back to the days before stereo blend circuits in car radios. The stereo signal (a L-R subcarrier centered at +/- 38 kHz from the center frequency) is intrinsically noisier than the mono when the signal gets weak, so mono-only operation made for a quieter fringe signal \*if\* the listener didn't/couldn't manually switch to mono.

But the modern radios we use automatically start blending down the stereo to mono as reception weakens, so if you're in the fringe, all you're hearing is the mono signal anyway, even if the station is transmitting stereo.

Or to put it another way, at the core of every FM signal is mono audio, and that mono signal goes out the same distance whether or not there's also stereo difference information flanking it. At least that's the theory (Scott Fybush, NY, *ibid.*)

At least the DX-398 allows one to ``force`` it to pick up stereo, even if it's noisy, unlike the PL-880 blender (Glenn Hauser, DX LISTENING DIGEST)

:Product: Weekly Highlights and Forecasts  
:Issued: 2018 Jun 25 0343 UTC  
# Prepared by the US Dept. of Commerce, NOAA, Space Weather Prediction Center  
# Product description and SWPC contact on the Web  
# <http://www.swpc.noaa.gov/weekly.html>  
#  
# Weekly Highlights and Forecasts  
#  
Highlights of Solar and Geomagnetic Activity 18 - 24 June 2018

Solar activity was at predominately very low levels with an isolated C2/Sf flare observed at 21/0115 UTC from Region 2715 (N08, L=231, class/area Dac/120 on 23 Jun). This region, as well as Region 2713 (N05, L=289, class/area Dao/070 on 23 Jun), also produced numerous B-class flares during the period. No Earth-directed CMEs were observed during the period.

No proton events were observed at geosynchronous orbit.

The greater than 2 MeV electron flux at geosynchronous orbit was at normal levels on 18 and 23 Jun and moderate levels on 19-22 Jun. High levels were reached on 24 Jun in response to an enhanced solar wind environment.

Geomagnetic field activity generally ranged from quiet to active levels with an isolated G1 (Minor) storm period observed early on 18 Jun. The period began under the influence of a waning, positive polarity CH HSS. Wind speeds peaked at 525-540 km/s early to midday on 18 Jun with the Bz component variable between +16 nT to -9 nT. On 18 Jun through midday on 19 Jun, field conditions ranged from quiet to isolated G1 geomagnetic storm conditions. From midday 19 Jun through early on 23 Jun, solar wind parameters were at mostly nominal levels with a quiet geomagnetic field.

Early on 23 Jun, solar wind parameters indicated a weak CIR signature in advance of another positive polarity CH HSS. Wind speeds gradually increased from about 325 km/s to a peak of near 515 km/s by the end of 23 Jun. Total field strength peaked at 15 nT midday on 23 Jun while the Bz component varied between +12 nT to -15 nT through midday on the 23rd before relaxing to a variable +/-9 nT through the summary end. Field conditions responded with quiet to active conditions on 23 Jun and quiet to isolated unsettled conditions on 24 Jun.

#### FORECAST OF SOLAR AND GEOMAGNETIC ACTIVITY 25 JUNE - 21 JULY 2018

Solar activity is expected to be at predominately very low levels with a chance for C-class flare activity on 25-28 Jun until Region 2715 rotates off the visible disk. Very low levels are expected from 29 Jun - 10 Jul. With the return of old Region 2715 on 11 Jul, very low levels, with a chance for C-class flare activity, is expected through the remainder of the outlook period.

No proton events are expected at geosynchronous orbit.

The greater than 2 MeV electron flux at geosynchronous orbit is expected to be at high levels on 25-26 Jun and 28 Jun - 10 Jul due to CH HSS influence. Normal to moderate levels are expected for the remainder of the outlook period.

Geomagnetic field activity is expected to be at unsettled to active levels on 25-30 Jun, 15 Jul and 20-21 Jul with G1 (Minor) storm levels expected on 27-28 Jun, all due to recurrent CH HSS activity.

:Product: 27-day Space Weather Outlook Table 27D0.txt

:Issued: 2018 Jun 25 0343 UTC

# Prepared by the US Dept. of Commerce, NOAA, Space Weather Prediction Center

# Product description and SWPC contact on the Web

# <http://www.swpc.noaa.gov/wwire.html>

#

# 27-day Space Weather Outlook Table

# Issued 2018-06-25

#

| #           | UTC  | Radio Flux | Planetary | Largest  |
|-------------|------|------------|-----------|----------|
| #           | Date | 10.7 cm    | A Index   | Kp Index |
| 2018 Jun 25 |      | 75         | 8         | 3        |
| 2018 Jun 26 |      | 72         | 10        | 4        |
| 2018 Jun 27 |      | 72         | 25        | 5        |
| 2018 Jun 28 |      | 70         | 18        | 5        |
| 2018 Jun 29 |      | 68         | 12        | 4        |
| 2018 Jun 30 |      | 68         | 8         | 3        |
| 2018 Jul 01 |      | 68         | 5         | 2        |
| 2018 Jul 02 |      | 68         | 5         | 2        |
| 2018 Jul 03 |      | 68         | 5         | 2        |
| 2018 Jul 04 |      | 68         | 5         | 2        |
| 2018 Jul 05 |      | 68         | 5         | 2        |
| 2018 Jul 06 |      | 68         | 5         | 2        |
| 2018 Jul 07 |      | 72         | 5         | 2        |
| 2018 Jul 08 |      | 72         | 5         | 2        |
| 2018 Jul 09 |      | 72         | 5         | 2        |
| 2018 Jul 10 |      | 72         | 5         | 2        |
| 2018 Jul 11 |      | 72         | 5         | 2        |
| 2018 Jul 12 |      | 72         | 5         | 2        |
| 2018 Jul 13 |      | 72         | 5         | 2        |
| 2018 Jul 14 |      | 75         | 5         | 2        |
| 2018 Jul 15 |      | 75         | 15        | 4        |
| 2018 Jul 16 |      | 77         | 5         | 2        |
| 2018 Jul 17 |      | 80         | 5         | 2        |
| 2018 Jul 18 |      | 80         | 5         | 2        |
| 2018 Jul 19 |      | 80         | 5         | 2        |
| 2018 Jul 20 |      | 77         | 15        | 4        |
| 2018 Jul 21 |      | 77         | 8         | 3        |

(SWPC via WORLD OF RADIO 1936, DXLD) ###